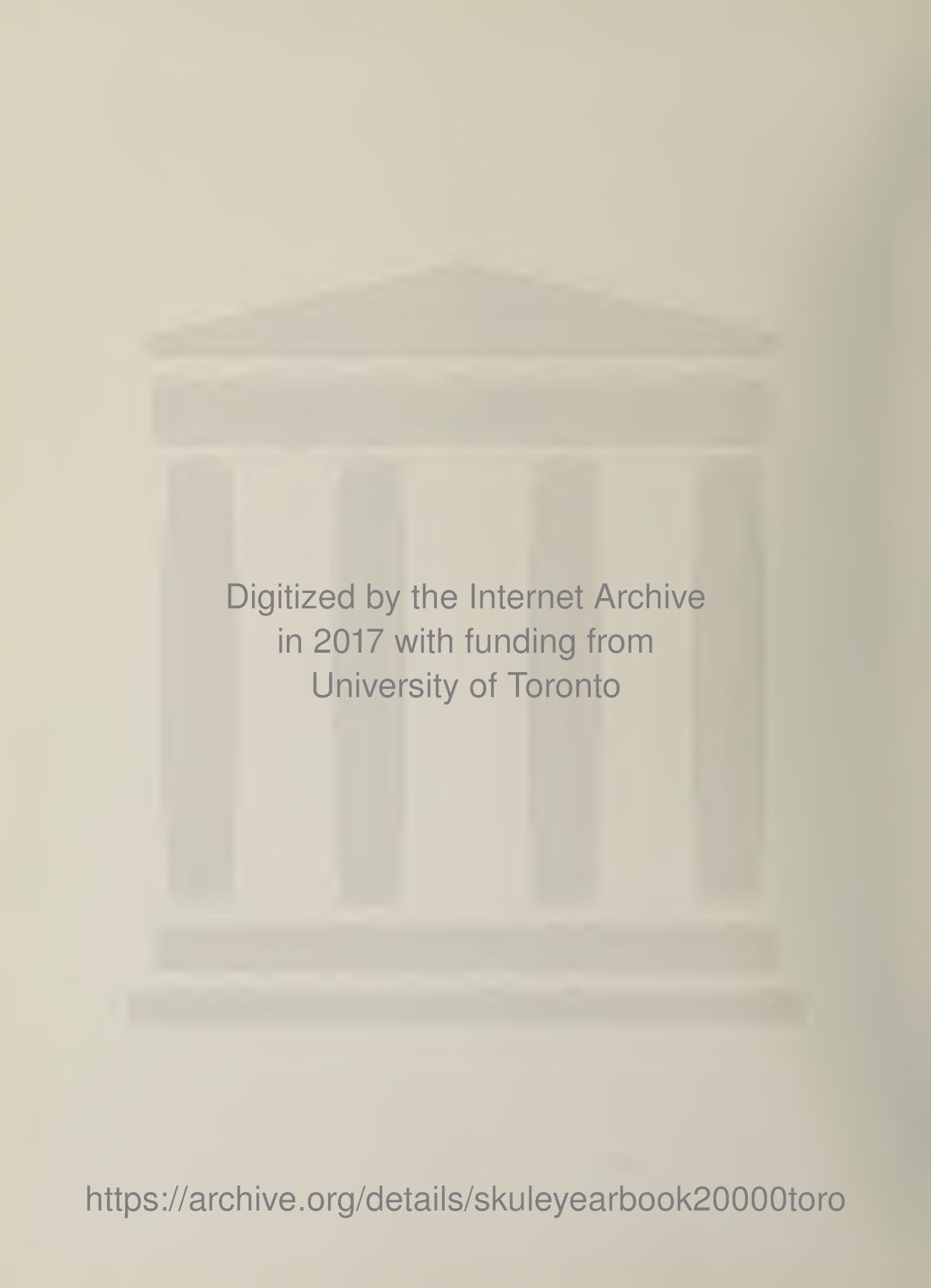


PROPERTY  
**KULI**





A very faint, large watermark-like image of a classical building with four prominent columns and a triangular pediment occupies the background of the entire page.

Digitized by the Internet Archive  
in 2017 with funding from  
University of Toronto

<https://archive.org/details/skuleyearbook20000toro>

HEADQUARTERS

GENCIES

AL PROJECTS EVENTS

AT MISSIONS ALLIANCES

PROPERTY OF  
**SKULE**

# Editor-in-Chief

Welcome and thank you for buying a yearbook.

As you may or may not have figured out already, this year's theme is "secrets". So let me begin by shedding some light on some of this year's events. For as long as I can remember, the Skulebook has not been a highly reputable publication with the student population. The majority of our sales came from F!rosh kits (\*evil laugh\*), and graduates looking for a memorabilia item. The remaining books were sold to the staff. To me, that's pathetic. Why should the staff have to buy their own books? =) But seriously speaking, I remember a time, way back in high school, when everyone couldn't wait to get their hands on one. Where did that yearbook spirit go? The more I thought about it, the more frustrated I became. I wanted the Skulebook to appeal to just more than the F!rosh, the graduates, and those heavily involved with the engineering society.

Our plan was to make the yearbook a proper representation of the entire U of T engineering community. Anybody even remotely involved in engineering would have their place in the book. In addition to that, the book would look so damn good that people who didn't buy one would regret not doing so. With these goals in mind, we were ready to begin our mission.

It was definitely easier said than done, that's for sure.

The year started off with heavy negotiations between two competing yearbook publishers. We increased the number of pages from 176 to about 190, and saved about \$2000 dollars from the original price quoted. In the meantime, I gathered up the best and brightest staff a Skulebook has ever had, and began to work.

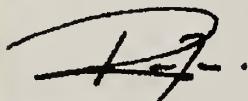
The first half of the year went as smoothly as one would expect. Orientation was a blast, and most of the Engineering Society Members were keen to get their voices heard. It was not until we came across the graduation pages that we got into hot water. Imagine discovering three days before your next deadline that the photo studio, who took the grad photos, didn't send them all to you. Yes.... F\$&%@\$!% is right! That little fiasco cost us two weeks, but we wanted to get it right.

The most difficult part of this job is to track people down for the articles and pictures you need. We wanted everyone in the book, so we used many different venues for getting pictures and writeups. However, it is most frustrating, when you get an article about 2 weeks late, and it is same as last year's. Now, isn't that funny? How many of you did that? Just for future reference, I have access to last year's Skulebook as well.

Now, that I'm coming to the end of my term as editor-in-chief of Skulebook, I look back at the year very fondly. The best thing about this whole experience is that I met and worked with some absolutely wonderful people. I couldn't have done it without them, so I dedicate this book to them.

To Eric and Diana who helped me stay organized and on top of things; To Francis, thank you for not letting me annoy you too much, and for always being ready to do some layout; To Haresh and Vidushi, you guys are so great. I know I was a pain in the @\$\$ some of the time for asking you to come in on Friday, Saturday and Sunday night until 12:00. Sorry about that; To Agnes for taking all those pictures, going to all the events and staying in eng com for a whole week... Trust me people, it's something you don't want to do; To Ivan for taking wonderful pictures, hunting people down, and for dealing with my last minute picture-taking events; To Jennifer and Rachel for being so creative with this idea... it looks amazing; To Kharthick for the deep conversations we had, and your attention to every single detail. There are (almost) no errors this year; To Gobi, Vithya, Bhairavi, and Sandra for spending countless painful hours with layout and terrible computers... at least we got new ones for next year! You guys are so picky... and I loved it; To Henry for your help with the background images and graphics; To Andrew, thank you for taking the time to take some great pictures; To Carson, Mathew, and Angela for your great picture taking ability, and using digital cameras to save me money; To Erhan for scanning all those pictures in; To Vanessa and Karineh for making the poster and selling yearbooks; To Richa, Nisreen and Vimalan for selling yearbooks in the atrium; To Angela and Matt for letting me use Stores as another venue to sell books; To the officers of the Engineering Society, especially Chris Dunn for all the stupid questions I asked, the money, and the millions of pictures you provided; To Barb, the business manager who helped me out of several jams; and last but not least to my friends, my parents, Steph, Chris and Elvina. You were there when I need you most, supporting me in every way possible. I love you guys. Thanks.

So, in the end, did we manage to fulfill our goals? I guess we'll see next year. Here it is, the result of endless hours of creativity, attention to detail, and hard work.... Enjoy.



Richard Yu.  
2003 Editor in Chief.



**Agent 000**

**Nickname:** *bigbigears, buppy*

**Secret:**

Hmmmm.... what secrets can I tell here....

When I was a little kid, some kids used to call me Dumbo because my ears stuck out. (See above evidence). I cried a lot about it.

I'm in love with a girl I met in high school.

I have a tendency to have friends whose names are Angelas.

My Chinese name is Ga Sing. I love freckles and strawberries.

# [ FOLDER CONTENTS ]

## [ HEADQUARTERS ]

Dean & Vice-Dean  
Registrar & Alumni Liaison  
Engineering Society

## [ AGENCIES ]

F!rosh Class Photos  
Faculty & Clubs  
Classes & Graduates  
Dinner Dances

## [ SPECIAL PROJECTS ]

Engineering Clubs  
Bahen Centre Special

## [ EVENTS ]

Orientation  
U of T Discovery Day  
Alumni Dinner  
Godiva Week

## [ COMBAT MISSIONS ]

Skule Sports

## [ ALLIANCES ]

Advertisements



# HEADQUARTERS



## Dean

There has been a buzz of excitement and opportunity at the Faculty this year. The University of Toronto celebrated its 175<sup>th</sup> anniversary and our Faculty has embarked on its 130<sup>th</sup> year. Adding to the excitement are new advances and headlines being made by our researchers and the launch of new facilities for teaching at the cutting-edge.

The Bahen Centre for Information Technology, which we opened this year, has enabled us to double our enrolment in our high demand IT programs and to provide a state-of-the-art facility for learning. We also broke ground for the Centre for Cellular and Biomolecular Research, slated to open in 2005. It will bring together scientists from biomedical engineering, pharmaceutical sciences, computer science, chemistry and physics to exchange ideas and advance research following the completion of the human genome project.

Adding to the excitement this year were the advances and headlines made by our professors, who continue to reshape the world at an amazing pace – from spinal cord regeneration, to microsatellites, new steps towards the goal of an optical Internet and a great deal more. Their discoveries and commitment to teaching have helped establish our reputation as the finest engineering teaching and research institution in Canada and among the best in North America.

Our exceptional reputation also depends on our outstanding students. You are the conduits that transfer innovation and knowledge to society. You are the leaders of the future. Twenty five thousand have come before you over the course of our history. Many have risen to international stature and distinguished themselves by contributing to their community and by becoming leaders in their fields. Many have gone on to establish or run leading companies in the fields of biotechnology, health care, natural resources, and financial services, just to name a few.

Our graduates are known as trailblazers and problem-solvers, individuals who have done their utmost to find solutions to society's challenges. They are justly famed not only for their technical and problem-solving skills but also for their camaraderie, their loyalty to the task at hand and, particularly, to each other. There is no more spirited and hardworking group than the Engineers of UofT.

I hope that during your time at the Faculty, you have not only acquired useful knowledge in your chosen discipline, but that you have also come to value the people you have met and the networks you have built. I hope that you have had the opportunity to become involved in some of the activities and teams that make Engineering so distinct from the rest of campus, and that give our Faculty that unmistakable "Skule spirit".

I am confident that upon graduating from the Faculty you will be well prepared to pursue your dreams and I encourage you to set your ambitions high. Your University and your country look forward to hearing great things from you. I have no doubt that you will make us proud.

*Anastasios Venetsanopoulos*

## Vice-Dean (Undergraduate) and Chair, First Year

Congratulations to the graduating class of 2003! You have reached an important milestone in your life – graduation. It is a special time to reflect on your accomplishments and begin looking forward to your working career. It is also a time to think about your four or five years at Skule. As Vice-Dean (Undergraduate) and Chair, First Year, I look forward to your Convocation as a bookend to my time with students. I remember welcoming many of you into this Faculty at the Parent's Reception and the Survival Session in Convocation Hall in first year, and having the opportunity to get to know some of you much better over the past few years.

The Faculty of Applied Science and Engineering is positioned as one of the leading engineering schools in North America. In the current academic climate, there is a tremendous amount of competition among engineering schools to attract exceptional students. The Faculty continues to proactively promote its programs and students' accomplishments. However, one of the most effective ways to tell people outside the University about the excellence of our programs and the richness of the U of T student engineering experience is through you, our graduates.

Often, the impression formed by an individual, whether that person is a prospective high school student or a potential employer, is based on a personal association they have had with a U of T engineering graduate. Therefore, I wish to leave you with one thought. Everywhere you go, keep in the back of your mind that a part of you is representing this fine institution, Faculty and our profession to the rest of the world. You are our greatest ambassadors!

*Will Cluett*



Nickname: Tas

### Secrets:

*Alumni of the Faculty have long been known as innovators. This historic honour includes: inventor of the first battery-powered radio receiver and founder of CFRB radio station Edward S. Rogers Sr.; Lew Urry, who developed the Energizer battery, displayed in the Smithsonian in the same room as Edison's light bulb; co-founder of Internet auction house eBay, Jeffrey Skoll; and Elizabeth Gregory MacGill, the world's first female aircraft designer, who collaborated on the Hawker Hurricane used for defense in WWII.*



# Registrar

to the Class of 0T3: Four plus years later! I bet you can hardly remember your first day at Skule! Congratulations we extend our best wishes to each of you for a rewarding and enjoyable career in whatever field you eventually pursue. Thank you for giving me an opportunity to communicate with you through this book. Let me highlight one or two events of the past year.

During the 2001-2002 academic year we awarded \$1.8 million in financial aid to students through scholarships and grants. In addition, engineering students received \$1.9 million from the University of Toronto's UTAPS fund. Applications to our undergraduate program increased significantly over 2001. The Faculty dealt with over 7,000 applications: 4,318 were from OAC students, while 2,725 were from non-OAC students. Undergraduate enrolment has also increased significantly with close to 4,100 full-time and part-time students registered as of November 1<sup>st</sup>, 2002. Female enrolment represents 27% of the first year intake and 27% of the total undergraduate student body.



We are continuing to enhance our services to ensure that they are consistent with the Faculty goals. At a recent Student Services workshop, departmental advisors/counselors met jointly with staff in the Registrar's Office and agreed to a number of service value strategies: *provide a consistent level of support, and deliver services that are easy to use, accurate, prompt and transparent; listen to students and provide them with support and information that allows them to make informed decisions; be knowledgeable, approachable and willing to help; value students as individuals, providing personal attention that is patient, friendly and respectful; recognize the diversity of our students and provide service that is fair and equitable; and be professional in appearance and behaviour.*

The purpose of this joint initiative was to review the quality of services currently provided to undergraduate students and to identify issues, concerns and suggestions to enhance service delivery. A number of short/medium/long term action items will be put in place over the next while to incorporate these strategies as part of our administrative practices. Activities in the office have focused around using technology to further streamline and automate procedures including: *rebuilding our online student option selection and pre-registration system; implementation of in-course scholarships database; implementation of an online system to collect pertinent course/instructor information; and overhauling and streamlining our admissions online student profile form applicant and reader interfaces.*

We celebrated our student's achievements at a scholarship reception for over 300 students on Tuesday, October 1<sup>st</sup>, 2002. These students became members of the Dean's Circle in recognition of their scholarly achievement. Each year the Dean's Circle highlights the accomplishments of a former Dean. This year we honoured Bernard Etkin a former Dean of the Faculty from 1973-1979. Our International Student Exchange program continues to flourish with 11 of our students studying in Australia, England, France, Germany, Hong Kong, Singapore and Sweden. We are hosting 20 students from these countries as well. In closing, I wish you all the best and hope that your future brings you accomplishment and fulfillment.

**Barbara McCann**

## Alumni Relations Director

Congratulations to the Class of 0T3! This was a great year and I hope you take away many fond memories of SKULE. You are now part of the Engineering Alumni Association, our current numbers are 27,914 + 0T3 worldwide. What a great Network! There are many ways that you can stay involved with the Faculty, you need only give me a call. We hope you will attend Reunion events; participate in our Mentorship programs and Networking events. You also can get involved as a volunteer on various EAA committees, please contact me if you're interested.



Your Alma Mater offers a wonderful Professional Development program. You can find out more about it by visiting their website at [www.ecf.utoronto.ca/apsc/pde/](http://www.ecf.utoronto.ca/apsc/pde/). The GRADitude campaign is your legacy for future generations. In the future when you receive the annual request for donations, think again about "giving back" to the place that gave you your career. The Faculty cannot fund everything that the students need so we look to the GRADitude and Alumni Annual Fund Campaigns to help us. Become a proud member of your profession; join the Professional Engineers Ontario, Engineering Internship program. [www.peo.on.ca](http://www.peo.on.ca) Start documenting your work experience now, it's easier than trying four years from now to remember everything that you did. If you require assistance, call me, I'd be happy to help you out. The Engineering Career Office will continue to be there for you on your career path. So do not hesitate to contact them as well. [www.career.skule.ca](http://www.career.skule.ca) A final reminder – it is through the Alumni Office, its website, its various publications and the many events that you will keep up your Skule™ Spirit. You are always welcome back, so keep in touch. [www.skule.ca](http://www.skule.ca); [alumni@skule.ca](mailto:alumni@skule.ca); 416 978-4941.

All the best in your future endeavours!

**Márta Ecsedi**

**Secret:**

*Received a Golden Guzzler Award for a Pub Crawl in 2<sup>nd</sup> year*

# *The Engineering Society ...*



What a fun filled year this has been...

# President of the Engineering Society

(May 2002 - January 2003)

When I started as President in the late spring of 2002, one of the most wonderful things I found was the stack of yearbooks (some missing, but going back as far as 1927) in the President's office. I immediately sat down and read through the words of those who had come before me. At the time, I remember considering what I would be writing in the Skulebook for 0T2-0T3.

Boy, a lot has happened between then and now!

The single biggest thing worth mentioning about 0T2-0T3 began over the summer. Barb Ellenson, who had been working for the Society on a temporary basis, was hired. What a wonderful contribution she's made! Her background in small business gave her a perfect set of skills for her position with the Society and she has a natural sense of how to deal with us. I hope Barb will stay with the Society for a number of years, because she makes it a great place to be.

With regards to the structure of the Society, two major achievements of this year spring to mind. First, the creation of year executives: for the first time in almost forty years, we have more than simply a first year and a fourth year committee. There are now 0T6, 0T5, and 0T3 Executives. Next year, if things proceed as they should, there will be execs for all years. I feel strongly that these year identities are important to foster, as they allow us to identify across disciplines and to share the common experience that is Skule, with all of us who are here together. On this front, I'd like to thank the Chairs of the respective committees: 0T6 — Hans Hesse; 0T5 — Peter Suddard & Chris Kosloski; 0T3 — Patricia Ricci & Amy Brans.

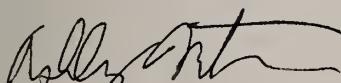
The second major achievement is one that, I suspect, won't excite very many people but is fundamentally important for the Society as a whole. That's the creation of Policies. The Policy Committee was started early in the 0T2-0T3 year and with its help the Society now has a Policy Manual on all sorts of things, from poster-stamping to valedictorian elections. These policies, on their face, may seem like simply more bureaucratic red tape, but they describe how we do things in the Society and they lay out the processes for 'getting stuff done', so that future incarnations of the Society don't have to annually reinvent the wheel. The Policy Committee of Neil Padgett, Rebecca Feldman, Danny Sundararajan, Sam Orr and Paul Graham deserves a strong vote of thanks for this achievement.

In a lot of ways, however, the achievements of this year cannot be measured in terms of specific, discrete events or undertakings. The real places that they show up are in the attendance at Suds, the sales at Stores, the through-the-night-in-the-rain-with-power-tools construction for the Homecoming float, the busloads of people going to Queen's, or Belleville, or wherever someone seemed to think was a good idea, the sold-out-before-Reading-Week Gradball tickets, the 10,000 circulation Toike Oike, and all those other things (no slight intended to those I didn't mention, there are really too many to list) that were successful through the year, bundled together. Together, they make the community that I was exceedingly proud to serve as President for ten months of this year.

... And then came January 27th, (and here's where my write-up varies so much from those ones I composed in my head in the spring) and the other four Officers determining that I was ineligible to continue in my position. There are several days of my University time that will be burned in my memory forever. The first day of F!rosh Week ... the Bnad trip to Pennsylvania ... my first day starting for the Varsity rugby team ... September 11th, 2001 while setting up the clubs fair, hearing about the World Trade Centre ... being able to announce that Skule had won the TA Reed award for men's sports ... the day I was elected President ... and the day I was told that I could not continue, that I had to turn in my key and be out of my office that afternoon.

I'll never forget that and all it taught me about human nature, rules and the people with whom I worked most closely this year.

Thank you all for the best ten months of my life.



Ashley Morton  
23 February 2003



Agent 001

**Nicknames:** SI

**Secrets:**

- You can climb to the Bnad room from EAA through the overhead ducting. But you get really dirty.

- It is illegal for Ashley to drive in the state of Vermont.

## VP Internal

0T3: a year I thought would never come. And yet here I am, writing my good bye to Skule™.

Serving as VP Internal in my last year of undergrad has definitely been an amazing experience. It was great meeting so many new, spirited individuals and working with them to make U of T Engineering a better place. I have to admit though, there were times when I wasn't sure if I'd live through it all: between ordering pizza for all the meetings, writing up all the minutes, checking email, running club days, setting up orientations, sending out massmails, working with the communication team, and attending meeting after meeting after meeting, there was rarely a dull moment.

Looking back on the year, I must admit that despite all the hard work, we also had a lot of fun: Hart House Pubs, New U³, Firosh Week, Suds, Godiva Week, Cannon Ball, and Grad Ball are just some of the memories I won't soon forget. "To Work Hard and To Play Even Harder" is an Engineering maxim I learned to live by at Skule™ and am thankful I did.

Thanks to every one on council for all their hard work and dedication. It was because of you that this year was such a success. Another big thank you to Barb who has been like a second mother to me: Barb, I don't know what I would have done without all your help, advice and support. And last but not least, a huge thank you to my fellow officers for making this year unforgettable. Chris, Steph, Mike and Ashley: you guys are the best. You were always there, looking out for me and lending a helping hand. Although there were some tough issues we had to deal with now and then, we worked at it together, and as a team, got it done. I couldn't have asked to serve with a finer group of people.

To the five new officers and the rest of next year's council: best of luck. You guys are the future of Eng Soc and its success depends on you. To the class of 0T3: good luck in all your future endeavors and may you find all the joy, success and happiness the world has to offer. See you all at Homecoming!



**Agent 002**

**Nicknames:** Pangelo, Marky Mark

**Secrets:**

- He is a wanted convict in India
- Had a "thing" for a "certain" SAC director

Mark Angelo, CHEM 0T3

## VP External

It has been such a productive year in the Engineering Society's external relations among the professional and engineering skules across the country. This year, we have had the fortune of being pioneers among new initiatives at Skule™.

For the first time in history, we developed an internal engineering competition, called UTEK, to act as a feeder to the Ontario Engineering Competition (OEC). None of this would ever have been possible without the tremendous initiative shown by the Nano Club and Michael Brougham, who played a key role in setting up a colloquium of student groups to manage each category of the competition.

In February, a talented bunch of first year students took the bull by the horns and completely organized the First Year Integration Conference (FYIC), while still trying to get a grasp of university life for themselves. What a feat!

From the ESSCO AGM in Windsor last year to the CFES Congress in Saskatoon this year, my conference-going experiences have all been extraordinary and have left me with experiences that have taught me so much that I will never forget. Attending these conferences, has also made me realize the sense of community the entire engineering field truly exuberates!

The position of VP External extends far beyond the perceived role of "conference-goer" that had been my first impression. Although I put in long hours (my thesis partners can attest to that), I was lucky to be surrounded by a great group of motivated individuals. We certainly couldn't have asked for a better office manager in Barb, and Mohan completely turned the Engineering Career Office around, making it a place that students will continue to frequent.

Most of all, big ups to Ashley and the Green Team – Steph, Chris, Mark and of course John. We had a great time during elections. Without you guys, life in fourth year definitely wouldn't have been as interesting as it has proven to be. These four years have passed by so quickly and if I were to offer any advice to the "young ones", it would be *carpe diem* – seize the day, because you're only in university once and you've gotta make the most of it!

Bling Bling, money ain't a thing!



**Agent 003**

**Secrets:**

- Has slept in a sleeping bag on the floor in the Office.
- Was once a figure skater
- His mother is a professional clown. Really.

Mike Branch, COMP 0T3

## VP Finance

As yet another Skule™ year draws to a close, I can proudly say that I've enjoyed a truly rewarding experience as VP Finance of the Engineering Society. It has been an incredible year that started with the most controversial election in Engineering Society history, resulting in 0% of "The Green Team" and Ashley Morton being elected into office. This tumultuous beginning aside, it has been a year of remarkable successes due to the efforts of everyone involved in the Society.

The position of VP Finance is more than simply budgeting and writing cheques, it requires dedication to understanding the needs and general concerns of the student body. From this understanding I am responsible for the effective management of student funds in such a manner so as to meet the needs of the student community here at Skule™.

This year I challenged many of our Directors (and my fellow Officers) to meet unprecedented financial targets for their respective events, publications, or committees, and everyone, without exception, has risen to the challenge. I am fortunate to have worked with such a talented and committed group of students, whose dedication to Skule™ is unparalleled. I would like to thank those people for their hard work and support throughout the year; they have made my experience a memorable one.

Looking back, it was great working with the other four officers. The five of us worked through good and bad times, but our commitment towards building a better Skule™ never wavered. Through all of these endeavors I have come to know a lot of new people and forged many new friendships that will undoubtedly last for years to come. Special thanks to Barbara Ellenson, our Business Manager, for all of her hard work over the course of her first full year with the Engineering Society.

As my time here draws to a close, I will always look back on my experience as VP Finance with much fondness. Thanks to my friends and family for their support. Best of luck to the Class of 0T3, and to those who are returning next year, continue building on the proud traditions that we have here at Skule™.

## VP Activities

The primary role of Vice President Activities is to organize F!rosh Week. I must admit that part of the appeal of this position was that my work took place primarily in the summer, but the job doesn't end at orientation. As an officer, I attend council meetings and help out with tasks that all officers are responsible for. I also oversee many director positions (the fun ones!). These are F!rosh Handbook, S!OS, Blue & Gold, Skule™ Nite Liason, the First Year Chair, the Student Issues Director, and the Social Director. This year, I am performing a complete review of orientation and putting together a comprehensive report detailing planning activities to pass on to my successor to improve transition in coming years.

I am very pleased with the success of orientation this year and all the positive feedback I have received. I'd like to thank all the leaders, head leaders, committee chairs and especially the vice-chairs Mike Diez d'Aux and Don McAuslan for all their help. All members of the planning committee did fantastic jobs, which made my life so much easier. Thanks to the Bnad and the cannon guard for coming out to summer meetings and orientation itself to spread Engineering spirit. Also, thanks to all the F!rosh who came out to play and yell during orientation. I am very impressed by the group of first years we have this year and I know they'll do great things in the future.

I would really like to encourage all students to get involved in some aspect of extracurricular life in engineering. I regret that I didn't get more heavily involved earlier because engineering has great things to offer whether you join clubs, committees, teams, attend events, or run for positions. Despite the heavy time commitment, I don't regret running for VP Activities for a second. I think this is mainly because of all the great people I have met as a result of planning orientation, from the leaders in the summer and the new f!rosh. Definitely get involved in next year's orientation, whether it's as committee chair, a leader, or a member of the Bnad because it's a great way to meet people and have a lot of fun.



Agent 004

**Nicknames:** Slow Horse, Topher, Tighty

### Secrets:

- Failed his 3<sup>rd</sup> year accounting midterm but wanted to be VP Finance so badly that he studied extra hard for the final and ended up with an 80% in the course.
- His tighty-whities have everything to do with his financial policies.
- Really knows how to tear up the dance floor

*Chris Dunn*  
Chris Dunn, MECH 0T3



Agent 005

**Nicknames:** Drunk'n Floozie, Village Bicycle, Ice Princess

### Secrets:

- Held the position of VP Dirty Activities of the Drinkin' Club this year.
- Grammar actually does have a Queen.
- Known by some as a drunk'n floozie. Completely unfounded :)

*Stephanie Bradley*  
Stephanie Bradley, INDY 0T3

## Business Manager

An exciting year... I started off at EngSoc as a temp in February 2002 and felt like I had landed in a hornet's nest... but I gradually worked my way through all those pesky problems. The executive decided that they really liked me and hired me in July. Initially, I was unsure if I wanted to stay but by September had started to work successfully with the EngSoc Executive and had begun to feel right at home. I have now seen one full year here and enjoyed every minute of it. There was:

- My first Orientation (My arm is purple, *really* purple. Does that make me a Frosh?)
- My first Godiva week (What is he doing with that sock?)
- My first Cannonball (If you can remember all the words, you're either sober, or an Engineer, but not both.)

For Christmas, my Secret Santa gave me a mug labeled "University of Toronto Mom". I laughed but my heart was in my mouth when our delegates to the Canadian Federation of Engineering Students conference flew out in the worst snowstorm of the year.

The Officers have all been terrific to work with and have taught me a lot. Ashley Morton gave me insights into Skule history and the ins and outs of the Faculty. Stephanie Bradley ran a great Orientation (and under budget). And Chris Dunn and I worked closely together to keep the EngSoc office running smoothly.

Special thanks are due to Mike Branch and Mark Angelo who were very supportive and great to work for. And to everyone who came by the office to chat (you know who you are!) – what would I have done without you!

And for all the people I didn't mention, let me say one thing: I'm proud to have worked with you and for you. As for the rest of you ... I've got a really big window ... I can see what you're doing ... and boy does it look like fun!

I will miss the many students, with whom I have worked, who will be leaving here and moving on but I also look forward to working with the next EngSoc Executive. As I have learned, transitions can sometimes be difficult but as each chapter of your life closes, a new one is beginning. Just remember to enjoy life every day.

*Barbara Ellenson*



Agent 006

## Engineering Career Officer

Hi everyone. The Academic year 2002-2003 has been pretty good so far at the Engineering Career Office (ECO). A lot of new initiatives and objectives were set out for the office at the beginning of the year and we have been able to successfully meet them so far.

One of the important initiative was the Career fair that was held for graduating students in September 2002. Another important initiative that was held was the 'Summer Job Search Action Week' that was organized between the 5<sup>th</sup> February 2003 to the 12<sup>th</sup> February 2003, which included a 'Companies on Campus' event for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year students, an online virtual summer job fair plus a host of career info-sessions by different companies. The 'Caught in the Net' networking breakfast meetings, a new initiative by your ECO continues to be a big success with the students as well as the engineering professionals who are invited for the meetings. Professional development workshops were another focus area for your ECO and Technical Speaker Series as well as Career Management Programs were organized as part of this and were well attended by students from all years.

The walk-in counseling clinic that operates at the ECO between 12:00 PM and 2:00 PM everyday has been able to service approximately over 300 students in counseling them on job search related issues. Your ECO has also been able to acquire a latest directory of industries in Ontario within various industry verticals and this so far has been very successful in helping provide students with contact information of potential employers from their desired fields and also has been useful to the ECO in its employer outreach activities.

All this success and my motivation to serve you all only stems from the enthusiasm and support that I get from all of you and specially the support I get from your Engineering Society and the direction I get from the Office of the Vice-Dean, First Year.

Wish you all good luck on your job search and looking forward to another year of continued success and support.

*Raju Mohan Doss*



Agent 007

**Nickname:** Mohan

## **Blue and Gold Chair**

Another year done and so little to show. Well not exactly. F!rosh Week saw the largest turnout ever to the Movie Nite, and almost broke my budget. Thanks to Todd for helping me get all those lovely ladies... people out. In October we all banded together to make the most kickass float ever in the history of float making at UoT, a 2-story high rendition of the Little Red Skulehouse™. And then we won the float competition, truthfully everyone got a trophy but ours was the biggest (thus by induction...). After this came B&G's first bus tour of 2003, where we met up with Queen's in Peterborough, 50 of us drinking to 200 of them. Fair odds I'd say. Then came the craziest Godiva Week I have ever had, and I hope you guys had too. I'd like to thank members of the committee for stepping up to take charge of the events and make the week possible and to all of the winners, notably Todd Reichert and Agnus Durlić, Mr. Blue and Gold and Godiva's Champion respectively. As well a huge congrats to CIV for winning the Chariot Race (no bias), and to all of the other disciplines (no more fire extinguishers...no jokes). So hope everyone had fun (I did) and I send out my best to next years Chair (sucka!) and hope next year will be even better than this one.

Duncan Rowe



Agent 008

## **Engineering Stores Managers**

Greetings from the sacred hole in the wall known as Engineering Stores!!

This year has been a busy one for Stores and it's flying by. September was a blur. You frosh sure love to get your textbooks before classes even start. We aren't complaining though. Without your help Stores wouldn't exist.

This year we were able to bring in lots of new products as well as resurrect your favorite oldies. Leather jackets, girl's shirts and water bottles just to name a few.

What new and exciting product will emerge next year??? Who cares!! That's someone else's problem. Honestly though, being the manager has its benefits. Countless hours of paper work and inventory are balanced with uncontrollable tirades at customers and mass firings / re-hirings of employees. We have found this position to be very rewarding and wish next years managers the best of luck.

This year couldn't have happened without the help of some very important people. Matt thanks Angela for keeping those nasty suppliers in check and bringing in some wicked products. Angela thanks Matt for managing all the finances so well. Our employees always put in more effort than required, thanks guys. Also, thank you Barb Ellensen, our Office Manager, for doing all the dirty work that comes with Stores. You always do WAY more than required... thanks.

And finally, all you starving students who desperately need that skule sweater, that engineering paper to finish the CIV 101 problem sets and that last minute lab report that must have a special blue cover. You make Stores a better place. Thanks!

Shop at Stores!!!

*Angela Bai  
Matt Woodbeck*



Agent 009 & Agent 010



"Thanks to Todd for helping me get all those lovely ladies..." - Duncan Rowe

## ***Hi Skule Liaison***

Hi everyone! I'm the Hi Skule Liaison on the Engineering Society Council for 2002-2003. Basically, my role is to assist the faculty with their recruitment events and programs for prospective students. One of the major accomplishments this year was the creation of the Skule™ Ambassador program. This program allows current engineering students to join a volunteer list so they can be informed of recruitment events. At these events, high school students can ask them questions about life at Skule™ from a student's perspective.

The events that I helped at include Summer Orientation Sessions, Dean's Welcome Reception, Ontario Universities Fair, U of T Discovery Day, F!rosh for a Day, March Break Open House and Faculty tours, to name a few. F!rosh for a Day is one of the key events where students can explore both the academic and social side of U of T engineering. This year, F!rosh for a Day was a wild and wacky introduction to the world of Skule™. It's the job of the Hi Skule Liaison to organize the social events for F!rosh for a Day. This year, highlights included a polaroid scavenger hunt and a clubs and activities fair. In addition to helping with events, I also have to keep up to date with recruitment issues concerning high school students, such as the double cohort. As a part of my role I also attend meetings of the liaison group, a group consisting of the high school liaisons from each engineering discipline as well as Student Recruitment Officers and representatives from the Office of the Vice-Dean. I also keep the Engineering Society Council up to date on issues that concern high school students.

It's great to have current engineering students speak with prospective students because they give an excellent picture of what an engineering education is like, both inside and outside of the classroom. This year has been great and I'm really excited to see that interest in engineering is rapidly increasing. I hope to see many of the students I've spoken to join the world of Engineering @ U of T. I've had an amazing time being the Hi Skule Liaison this year and I'm glad that I was able to be a part of my Skule™ community.

*Sunaina Menezes*



**Agent 011**

**Nickname:** umm . . . I don't think I want them printed here!

**Secret:** Volunteer to get free food and free t-shirts

## ***Sponsorship Director***

Hey People. This is the first year for the Sponsorship Director position and I have really enjoyed it. As I write this article I am working on Sponsorship deals for CannonBall and GradBall as well as deals for a few clubs and the First Year Integration Conference. I am highly indebted to the Execs of those clubs and FYIC as well as all Engsoc officers for being great support. That's it from me.

*Ashwini Jagtiani*



**Agent 012**

## ***Student Issues Committee Director***

Howdy Engineers! The Student Issues Committee (SIC) had a tremendously successful year due to the dedication and participation of engineering students. From the start of the academic year, SIC had a vision of engaging engineering students in charity fundraising events, volunteering in the local community, creating awareness about sexual, religious, and gender diversity issues, and strengthening our community.

Here are a few indications that we have made a difference...over \$5000 was donated to the Starlight Foundation from the Frosh Week Charity Events, exceeding our expectations and granting wishes to two seriously ill children...over 100 units of blood was donated to the Canadian Blood Services, helping the sick across the nation...over 40 people participated in forums discussing sexual diversity, demystifying stereotypes and challenging the way we live...nearly 2000 hours in community service, tutoring elementary school students in math...1000 collective hours of fasting, in support of Third World relief and in recognition of daily suffering that occurs around the world...and the list goes on.

We are an influential group. We are a talented group. We are an active group. Please challenge yourself (both inside and outside academics!) and challenge the way the world works. Thanks to all who supported SIC events and have a wild summer.

A handwritten signature in black ink, appearing to read "Richard Wiltshire".

*Richard Wiltshire*



**Agent 013**

**Nickname:** SIC Dude, Diesel

**Secret:** Dreams to be called Diesel

# S!OS Students for Students Director

The Faculty of Applied Science and Engineering at the University of Toronto is a rapidly expanding institution which hosts more than 3500 undergraduate engineering students. There is a need to reinforce support and guidance of first year students (F!rosh) during their transition into university. The intensity of the first year curricula further emphasizes this need. Well luckily, this problem has now been addressed through the S!OS Students for Students program. The goal of the program is to offer the necessary support, guidance and motivation to F!rosh through the commitment and enthusiasm of upper-year undergraduates (Buddys). The organization aims to enhance the social and academic atmosphere for F!rosh, provide F!rosh with accessible informal counseling, inspire F!rosh to participate in university activities, reduce anxiety experienced by F!rosh as they adapt to university life and further inform F!rosh of resources offered by the university.

Given the objectives, our approach and methodology was to use the S!OS website ([sos.skule.ca](http://sos.skule.ca)) as a channel to effectively distribute information. To make the program more interactive, the website includes discussion forums where F!rosh can seek help. We also hosted social events to enrich Buddy-F!rosh interaction.

I am grateful to my Co-Directors, Haresh Khemani and Jason De Vellis for the successful delivery of the program. We are greatly appreciate the tremendous support offered by Vice-Dean Cluett. We look forward to having our F!rosh as Buddys next year!

*Rina Gupta*



Agent 014

## Computer Systems Administrator

Hey everybody. What does a computer systems administrator do? Systems administrator is the one who maintains the computers in the EngCom room. EngCom computers are old and the server is outdated. So it is possible that by the time this text is published the EngCom room might be equipped with some new computers. You may have heard that this year's computer systems administrator was incompetent. Well, it's true. So if you think you got more skills than I do (which should be everybody) come out and apply for this position and make the publication people happy. Anyway, got to do some more studying for my calculus midterm. Keep your life balanced and take it easy.

*Kenny Ho*



Agent 015

## Webmaster

Psst. Can I let you in on a little secret? The Engineering Society has a web page! That's right - [engsoc.skule.ca](http://engsoc.skule.ca). After several years of lackluster web pages, updated maybe once or twice all year, we finally have a solution to bring you all the latest news that an Engineering Student could need. The site (that's <http://engsoc.skule.ca>, in case you've forgotten) is powered by the Postnuke content management system, which makes it possible for any student to submit a news story or event calendar item for posting. This year also saw the launch of an online image gallery and the Engineering Society's plasma screen.

I'd like to thank everyone who helped make my job easier (or harder, depending on your point of view): the officers of the Engineering Society (esp. Chris Dunn and Mark Angelo), Plasma Screen Master Andrew Overholt, and Paul Andersen and Egate Internet Services (our generous web host).

*Matt Parker*



Agent 016

## Chief Returning Officer

The position of Chief Returning Officer is hardly a high-profile, glitz-and-glamour type job and it's very far from a nonstop thrill-ride. The job does, however, serve an invaluable purpose in the operation of the Engineering Society. The Chief Returning Officer is responsible for conducting the election of Eng. Soc. Officers, Class Reps, Faculty Council Reps, and Internal Directors. Unfortunately for me, I'm also the only person on the Engineering Society council who can't accept liquid bribes in return for favourable results. Please note, however, that all liquid submissions accompanying nomination papers automatically become property of the CRO.

Ballot boxes, e-mail votes, and preferential balloting; all in the Chief Returning Officers day's work

**Gord Aitchison-Drake**



Agent 017

## Director of Professional Development

Understanding the scope of this position was one of the biggest challenges that I faced when I started in this role. There has never been a defined list of responsibilities for this position, which makes this job frustrating and exciting at the same time. Half the time I didn't know exactly what I was expected to accomplish, but I also had complete freedom to implement new ideas. Over the course of the year, I have tried to clearly define the role of the Director of Professional Development, while working with the Engineering Career Office to meet the career needs of our student body.

This year has proven to be a great year to shape the role of Director of Professional Development. The new Engineering Career Officer, Mohan Doss, has brought lots of experience and fresh ideas into the position. I think the breadth of events, including the various career fairs, skills development seminars, and guest speakers, have brought the issue of professional development and career readiness to the forefront of student priorities. Hopefully, these events represent the beginning of a strong professional development tradition at SKULE™!

These accomplishments would have never been possible without the help of this year's officers, John Rebello and all the student volunteers that helped out at the various events. I hope that next year's Director of Professional Development will benefit from the work I have done this year and continue to develop more events to meet the needs of our diverse student population.

**Eric Tung**



Agent 018

**Nickname:** *tung*

## Engineering Communications Chair

The Engineering Communications Chair (Eng Com Chair) is responsible to review the Cannon, Toike Oike and Fl!rosh Handbook before they are published to ensure that they are accurate and that they do not cause offense to anybody. The review of these publications takes the form of a meeting comprised of about 5-10 students to discuss the publication over some food a few days before the publication date. I then take any suggestions or concerns expressed by the people present at the meeting to the editor and we then discuss what kind of action should be taken.

The second responsibility of the Eng Com chair is to keep the Eng Com room in a reasonable state of cleanliness. I have been quite fortunate since I have had people who generally respect the room and haven't caused too big of a mess. By the new year, we hope to paint and fix the room up a bit so that people will be more inclined to treat the room with respect. Thanks very much for making my life easy.

This year has been great thus far. I have had the opportunity to work along side some amazing people and I have learned a lot. Special thanks to all those who have come out to review meetings (even on extremely short notice), to the officers who have been exceptionally supportive and understanding and to Chris for ordering and picking up pizzas for meetings and for keeping me somewhat "on track."

I have had an overall positive experience with my position on the Engineering Society this year and I encourage everybody to get involved with any committees, publications, clubs or events that Eng Soc has to offer. If you would like to get involved with the Review Committee, please email engcom@skule.ca.

**Kelly Sabaliauskas**



Agent 019

**Nicknames:** *peachy, LLL's*

**Secret:** *I have a puppy that bites me every morning before I go to school. She's a little Scottish terrier and is a little terror. She eats everything and dreads being alone. In an effort to keep me at home, she bites my leg to stop me from going out the door.*

## Archivist

From the mists of time, from the shrouds of history, from the dusty filing cabinets of EngCom comes the SkuleBook of Ye Archivist of Skule™, that wise, all-knowing, (shamelessly self-promoting) keeper of traditions. As Archivist, I am responsible for the records of EngSoc-related activities accumulated over more than a century – everything from Toikes to photos to things that must never again see the light of day. It is the job of the archivist to preserve Skule™'s traditions, and this has been a very successful year for that (I'm extrapolating here, as it is currently the beginning of November). To all those spirited students who help keep our traditions alive, well done. And to anyone interested in delving a little deeper into our past, go for it! Talk to me, stop by EngCom, stop by the university archives at the Fisher Rare Book Library, and delve. It is people like you who will ensure that Skule™'s story and traditions will never die. ERTW



Adam Trumper



Agent 020

## Social Chair

It's over already? This past year has been a blast. Partying is the best way to raise money for a party, as our local bars can attest to with our party that packed their bars in September, and throughout the year. Oktoberfest. What more can be asked for than beer, schnapps, schnitzel and polka? That's right, a bus load of Skule Engineers liven up the party. Cannonball. What a way to come back to Skule(TM) and a fitting end to Godiva Week. I hope everyone had an awesome time.

I would like to thank everyone who helped out this past year, everyone who sold tickets, yes we were those people trying to sell you tickets to events you didn't know you wanted to go to yet! To everyone who helped out during the events you were indispensable, Thank you. A special thanks to Kelly, who kept me on track this year.



Chris Runciman



Agent 021

Nickname: "That guy is insane"

Secret: "Where the fear has gone there will be nothing. Only I will remain."  
- Frank Herbert's "Dune"

## Speaker

As Speaker of the Engineering Society, my job is to keep order at all meetings of the Society Council. The intent is to allow the Society to transact its business effectively and efficiently. This goal is, of course tempered by a desire to, at all times, allow parties expressing minority points of view fair and equal opportunity to air their beliefs. In both respects, as I write this in November 2002, Council has been effective thus far, and I'm pleased to see an atmosphere of effective rational discussion permeate its meetings.

I've also been serving this year as the Chair of the newly created Standing Committee on Policy. This has been a rewarding job, and I think that the committee is poised to leave a strong legacy in the form of a codified framework for consistent operation of the Society going forward. Hopefully this will help successive Society leadership in maintaining consistency, always a hard job in any student society where past leaders move on so quickly as they finish their time at the University.

Beyond just Council, I've been impressed with the Society in general this year. We've been blessed with a fabulous set of Officers and Directors. Everything, from Student Issues to Suds, EngCom to Blue and Gold, has been run well and with due concern and enthusiasm. The Career Office is thriving under our new Career Officer Mohan Doss's leadership. The Society Office is running smoothly under the guidance of our new Officer Manager Barbara Ellenson. Participation in events seems to be on the rise, with many new faces seen everywhere from Council meetings to Friday afternoons at Suds. Together these factors have coupled together to form one of the most vibrant environments the Society has seen in recent memory. With strong leadership, valued employees, and, most importantly, involved members 2002-03 is shaping up to be a banner year for the Engineering Society. I'm happy to have been given the opportunity to be a part of it.

Neil Padgett

"I've been impressed with the Society in general this year." - Neil Padgett



Agent 022

Secret: Mild mannered Speaker by day, asleep by night.

# Executive Council Faculty Representative (ECFR)

I just returned from the islands of Vanuatu, where the natives have developed a unique method of extracting the juice of the Guava fruit. It seems they cut small holes into the fruit, while it is still on the tree and then stuff it with beetles. The insects devour the sweet tender insides until they are so fat they stumble out of the hole and fall to the ground where the natives eagerly devour them and thus get an excellent source of protein and vitamins in one sitting.

I found this custom to be an accurate parallel to the methods of student representation in which we partake here at our Faculty. I know you're probably thinking "WTF?" but allow me a moment's time to elaborate, my fine possibly-bespeckled friend. You see, each year the students of engineering select the finest from the finest as our Facreps (the beetles) and stuff them into the sweet juicy Guava fruit that is Faculty Council. The Facreps then engage in a sort of heavenly gorge-fest if you will, the result of which is the characteristic drunken stupor we seem to find ourselves in with each passing meeting. Upon stumbling out, we are then devoured so that our tasty insides can please the masses whence we came. And finally, the process repeats itself in the following year.

The system has worked effectively for the last 422.6 years, which is only 16.7 years shorter than the time during which the natives of Vanuatu have engaged in their version of the practice. All-told, fully 1400 students have been sacrificed in this way, though it should be emphasized that the benefits of the process are immeasurable. Indeed, much of what we take for granted has been procured as a result of a brave Facrep toiling away for long hours in dark quarters until he too fell victim to the ravenous hoards. Things like light fixtures, running water, chairs, desks, and yes, even ventilation, all are the work of those brave beetles.

And so, the next time you see your Facrep in the halls, offer him a pat on the back or maybe even a whole handshake, for someday in the near future, that poor fellow may be your lunch.

**Vivek Sekhar**



Agent 023

**Nickname:** National Geographic Reporter Extraordinaire

**Secrets:** Alright, I'm not a reporter for the National Geographic, and if I was, probably wouldn't be a Reporter Extraordinaire. What's worse? I have no idea how the natives extract the sweet juice of the tender Guava fruit. I don't even know if Guavas grow in Vanuatu... And all this time you thought that all of that up there must be true because it was printed in a book! Oh, the follies of youth.

## SAC Representatives

Being SAC directors have given us many opportunities to witness just how much SAC SUX. It's true. Although SAC has many good intentions, the internal politics behind the group grind most projects to a halt. However, for the five of us, SAC has been both a struggle to understand, and a learning experience.

A major SAC event that swept the university this year was the CFS referendum, which for once, after three referendums, ended with a 64.07% yes vote. The five of us were split on the issue, just as SAC was with EngSoc. SAC took an overall "yes" standing, in contrast to the Engineering Society, at their meeting at the Scarborough campus. Groups of concerned students are looking to appeal the vote, but as of 2002, it looks as if U of T will join CFS.

The SAC directors for this year were originally elected under the same Take Back SAC campaign, however the SAC president was on the opposing side. Ironically the same situation happened with our officers, where our EngSoc president was running on a separate campaign. The substantial presence of tickets in elections became an increasingly controversial issue, and in an October council meeting, tickets were officially banned through EngSoc.

Our goals for the year have been to increase the level of participation and acknowledgement of the engineering SAC reps in both SAC and engineering. By the end of the year we will hopefully have a more clearly defined position in EngSoc as ex-officio directors, and will be more capable of communicating between the two bodies. In the mean time, it is very convenient to have five people that can easily cross a barrier of artsies guarding the SAC door to take back our paint after they have just confiscated it.

Overall our jobs have been a success in that SAC reps are already a more present group within the society. Further work needs to be done in order for us to all be considered as "useful" but that is a problem that can be found at the basis of SAC.

**Donald D'Souza, Zachary Hoy,  
Alex Ince Cushman, Samuel Orr, Howard Tam**



SAC Representatives



**Secret:** Dome painting had "nothing" to do with certain SAC directors throughout the year; and Rocco was "never" stickered for the duration of a council meeting. Over the course of the year, 10 hardhats of different colours were "not" hidden around SAC, and they "never" will be again. However, Mohammad Hashim has placed a sticker in Alex Kerner's closet, and secretly believes that he is a part of the BFC. Also, studies have shown that if you blame the SAC president for all of life's problems, they actually start to go away.

## First Year Committee

Frosh week is over, and problem sets, lab reports, and exams have consumed nearly all of our time. Memories of purple dye, chanting, and non-stop partying seem more and more distant, but hopefully the sense of enthusiasm and spirit that was sparked during F!rosh Week has lingered. To ensure that Skule™ spirit remains strong throughout the year, the 0T6 Committee has been formed.

The 0T6 Committee consists of first year engineering students, elected to plan events and make first year engineering as fun as possible. We believe the old cliché: work hard, play harder. Several events are already being planned, including F!rosh Nite II, a F!rosh SUDS, a little bit of frosh mischief, and some exciting fundraising ideas. Our goal is to plan something that interests everyone, and to get as many people involved as possible. The committee and the class reps will keep everyone up to date, so when an event takes place, make sure to take a break from that Civ assignment or computer program to come out and have some fun.



*First Year Committee*

Beyond planning events, the 0T6 Committee also represents first year engineering students in the Engineering Society. We vote and act based on what we feel best suits first year students, so committee members are always open to hearing your ideas or concerns. Look out for a web site in the near future where you can check the latest news and submit your opinions. 0T6 Committee meetings, which usually take place every other Tuesday, are also open to anyone that wants to get involved or voice their opinion. Your class reps will keep you informed as to the exact times and locations.

The 0T6 Committee urges everyone to get involved in something other than work this year. Whether you enjoy sports, photography, writing, politics, debating, anything else, there is almost definitely an organization, club, or team, Skule™ or otherwise, tailored to your interest. It is never too late, and you will have a great time.

The 0T6 Committee is very excited about the upcoming year. We have a dedicated team, and some great events being planned. We will also do our best to see that your opinions are well represented. So get involved, promote Skule™ spirit, and have an outstanding year.

*Hans Hesse  
T6 Committee Chair*

## Fourth Year Committee

The Fourth Year Committee had a great year as it provided a forum for spirit and camaraderie to sprout among 4th year students. The school year opened with a fourth year BBQ that raised almost \$200 for the committee. Shortly after that, we socialized and enjoyed cheap drinks at the Bedford Ballroom pub night in honour of the 3000 hours that remained 'til Iron Ring. These social events served as touchpoints for 4th years to meet and catch-up with each other during their final year of engineering undergrad. The pinnacle event organized by the Fourth Year Committee was Gradball. This gala event took place on Saturday, March 8 2003 at the beautiful Liberty Grand Entertainment Complex situated on the Exhibition grounds. This event would not have been possible without the support from the Gradball committee members who worked long and hard with us to ensure Gradball 0T3 was a success.



*Patricia Ricci*



*Amy Brans*

Apart from social events, the Fourth Year Committee worked very closely with the Alumni Office to develop strategies on how to raise funds for GRADitude. Natalie and Tammy, this year's GRADitude chairs, managed the GRADitude campaign and overall we hope to make a significant pledge to the graduating class campaign.

*Amy Brans and Patricia Ricci  
Fourth Year Committee Chairs*

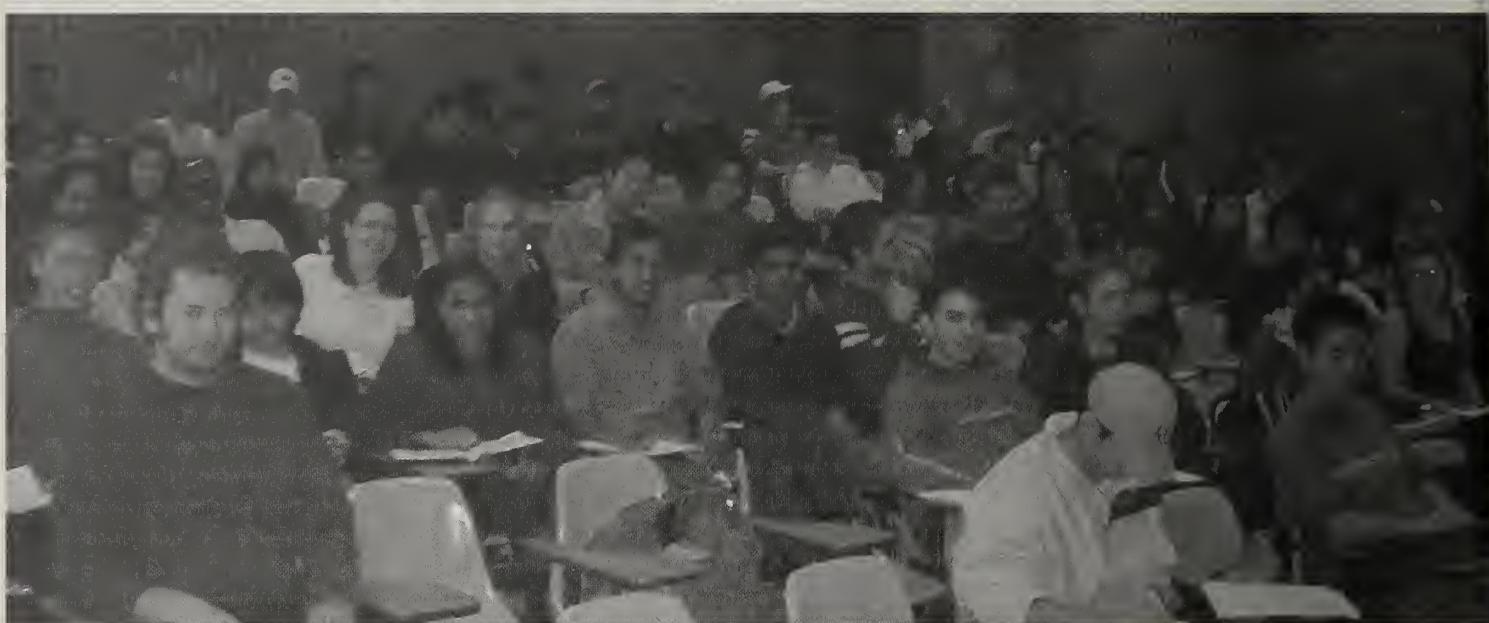




# AGENCIES



# The Rookies



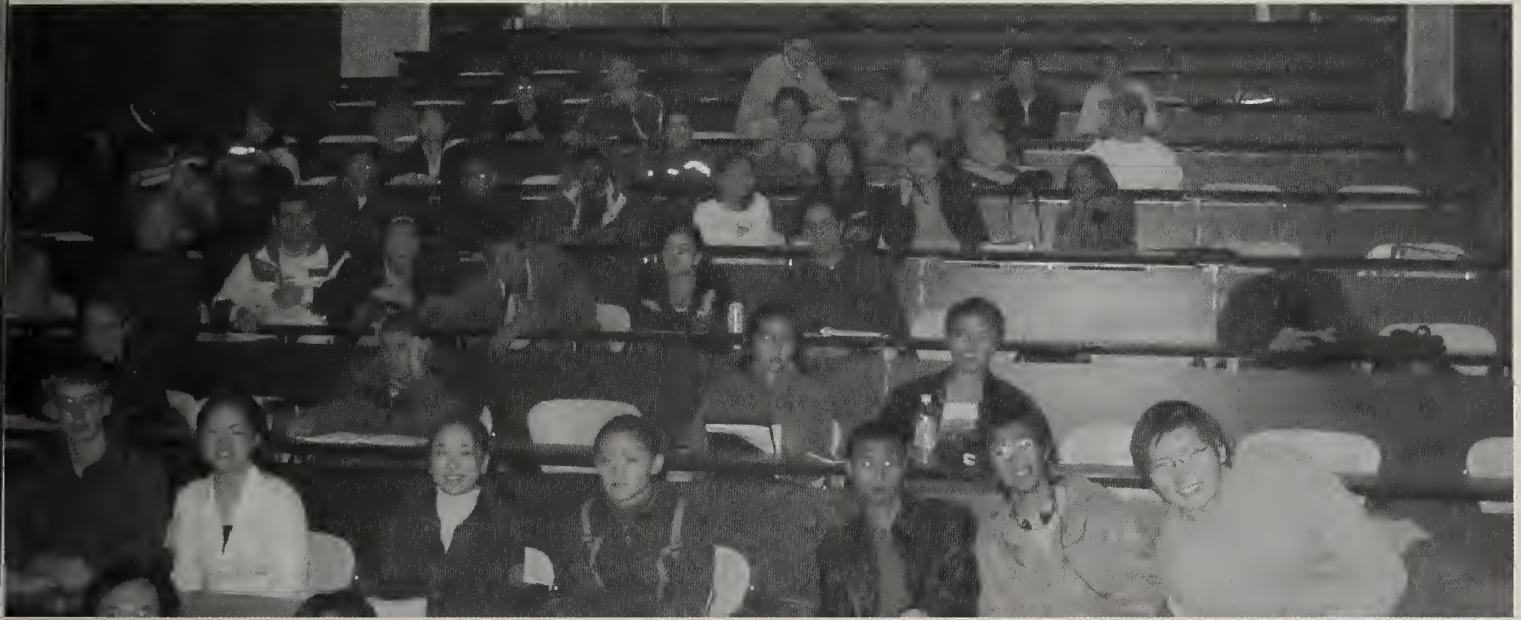
MAT188 TUT010



MAT188 TUT010



MAT188 TUT0103



MAT188 TUT0104



MAT194 TUT0101

"Delta-Epsi - what?"



MAT194 TUT010



MAT198 TUT010

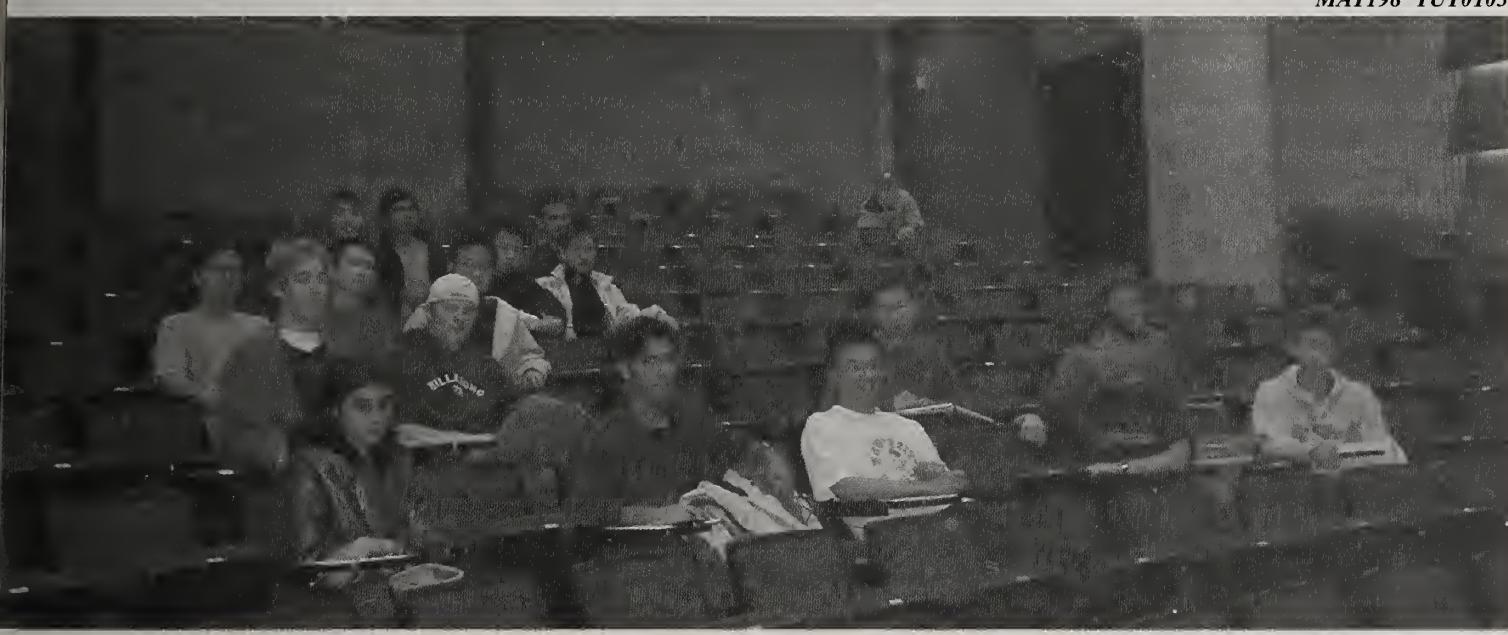


MAT198 TUT0102

"I remember those days when I was a frosh"



MAT198 TUT0103



MAT198 TUT0104

## Candids...



"People just don't show up to class anymore."



## More Randomness...

AGENCIES  
VOLUNTEERS



### 9th Year Chair

Hello Skule™Mates, as your 9<sup>th</sup> year chair, I am here to coordinate all the social and academic events for the 9<sup>th</sup> year committee members. We also accept membership from all other years from 1-8. The only real requirement is that all members have unconditional fun while being at Skule™. Don't forget this is the time of your lives, you can only escape the boredom of the real world for so long (about 9 years), enjoy these moments, let loose and never forget that U of T Engineering is a family, is special, and is apart of each and every one of us.

Long-live the class of 9T8, and all those that follow.

always;  
*drago*

Drago "Puff" Banovic  
Komp Indy 9T8+V



200



"...you can only escape the boredom of the real world for so long (about 9 years)..." - Drago "Puff" Banovic

## Chemical Engineering Department Chair

Congratulations to the graduating class of 2003. You are now one step further along the journey of your professional life, leaving behind your home-away-from-home at the University of Toronto and striking out for new destinations and wondrous adventures. I wish each and every member of the graduating class an exciting and prosperous career. I hope that your education at the University of Toronto stands you in good stead for the challenges before you. I also wish you health and the joy of a well-rounded life with friends, family and your community.

The Department of Chemical Engineering and Applied Chemistry will always welcome you when you return, and it is my hope that you will remain an interested and active contributor to the alumni community of Chemical Engineering and Applied Chemistry.

Through a comprehensive Strategic Planning process we have developed consensus on our vision, mission, objectives and targets. The Strategic Plan 2002-2006 sets out objectives to sharpen the Department's curriculum and the culture, particularly with respect to thinking profoundly, design and problem solving, leadership, innovation and entrepreneurship. Our Vision:

**We will be among the top ten chemical engineering departments in the world - educating leaders of tomorrow.**



I hope you will join us in our drive to achieve this vision. Once again, congratulations on your graduation and best wishes for every success.

*Douglas Reeve*

## Chemical Engineering Club

Another school year has passed, another about to begin. Congratulations to everyone for making it this far and taking the time to enjoy it. In a program as challenging as CHEM ENG it is amazing to see the CHEM spirit shine through, from attendance of our Smokers to the Chariot Race to our annual semi-formal, "Elemental".

Thank you to Professor Reeve, Professor Kuhn, Sonia, Paul and the entire departmental staff for all the help and support they provided this past year. A special thank you to all the members that served on Chem Club, you all did a great job. To everyone coming back next year, it's not too late to join the Chem Club. Come out and be part of a fun loving bunch.

Good Luck and best wishes for the upcoming year!

*Natalie Soong*



**Nicknames:** Nat, Nats, Trini girl, Soong, Clutz

**Secrets:** CSChE is one of Chem Club's best kept secrets. Canadian Society for Chemical Engineering (CSChE) is a national technical association representing the field of chemical engineering and the interests of chemical engineers in industry, academia, and government.



**CHEM Club Exec.**

Jullie Tran - Vice Chair(external)  
Justin Shin - Fundraising Director  
Tracy Leung - Advertising Director  
Jennifer Aiello - 2<sup>nd</sup> yr rep

Stephanie Lau - Vice Chair(internal)  
Krystle Connerty - Web Mistress  
Kelly Donovan - 4<sup>th</sup> yr rep

Neelu Rajput - Treasurer  
Sonya Van Vliet - Social Director  
Greg Scott - 3<sup>rd</sup> yr rep

Ho Jung Son - Sports Director  
Theresa D'Angela - Secretary  
Agnes Durlik - 2<sup>nd</sup> yr rep

"Congratulations to everyone for making it this far" - Natalie Soong



## 2nd & 3rd Year Chemical Engineering Students



CHEM 0T5



CHEM 0T4

"...the greatest memory of all is that of the friends I have made..." - Neelu Rajput



# Chemical Engineering Graduates



OT3.Who ever thought the year would come?! Much thanks to CHEM OT3 (esp. PeteY Pete, Scooter, Navster, Tamster, Skim Skimmy, Kelly, Nats, Ry Guy, James Murray, Fayahh), and the Pirates for making the last four years more than just lectures, labs and problem sets. Thanks to Mom, Dad, Stef, Lorelle and Stef for all the love and support - I couldn't have done it without you! What else can I say..it's been a wild ride, yet the journey has just begun.

**Mark Angelo**  
Angelo, Marcus Camby



I dearly hope that all our dreams come true and when we meet someday, down the road we can recollect the good memories we gained during the four years spent here. Have fun.

**Michelle Berry**



Life at Skule is finally over. ( Blah blah blah.. Let's get real. The only way I could've made it thru the last 4 years is with the support of all my family and friends. Mom, Dad, Al, thanks for always being there. And to all my friends: the CHEM crew (Diva, "GI", KD, Nav, PeteY Pete), the Augusta crew (Tash, Pete Diddy, Roya, C-Lo), Jamie, JC and especially J, Ry, and RJ, I luv u guys!

**Tammy Cheng**  
Tom



First and foremost, I'd like to say that I would never have made it through these four years in engineering if it had not been for the support from my family. Thank you Dad and Mom for always being by my side, and your encouragement is the only thing that can lift me up when I encountered the most difficulties. Sis and bro, you'll always be in my heart. I can never forget my fourth year, especially the plant design; it's painful and brutal, but yet I think I have had the best group ever!!

**Cindy Chu**  
Cind



**Natalie Hirsch**  
Dancing Diva, hirsch

Memories of the past 4 years: engsci?? BAD MISTAKE, CHEM - found my niche - should have beenan i N D Y - 2 n d y e a r s o c w / JAYfoundmycrew..dramaqueens (myprotoges).shhh, Jewishroomate (enjoy nxt yr-poverina)... sorry for the damageTT-buy u a new fridge, Rummy, Kel (forever in Paris), Pangelo, Faya, SUCKO (Hayami), Amy-SOS/ I u v y a , J u l i e s - myfellowHHH, Ry(pdb), Peterstopyelling... off to make Tement.. mechs - It's all good:)



A great many thanks to those who know.

**Owen Lewis**



we're done! so how many of you got by through ST's \*cough\* ravi.drea.nat one word to sum it all up? interesting in both good and bad times. good luck to everyone, laters!

**Jeanne Luh**



**Ravi Mahabir**  
Rav

Mom and Dad, I can't every repay you for your sacrifices and the lessons you have taught me. I am now moving on with life and I wanted to let you know that all my success and who I am today is solely because of you. Sherry, Rishi, Shivi and Aunty B, thanks for the support every along every step of the way. Thank you God for giving me these great people, without whom I would be nothing.



To all the Chem OT3 class, I wish you all the best of luck in the future. It's amazing how you meet people from different parts of the world and from different walks of life and they become your family for four years and for many more to come. To Joelle, Christine, Lina, Azadeh and Kads: Thanks for the laughs, memories and support.

**Muna Muasher**



The last four years have been a journey, from which many events will leave an everlasting impression. However, the greatest memory of all is that of the friends I have made who have been there through the stumbles, falls, jokes and insanity. To the "Enviro", "Chem" and "Princess" crew, may our friendship not just be a memory, but a journey we'll continue forever, and to my loving family, who put up with me.

**Neelu Rajput**  
Lulu, Neel "Accident Prone"



**Andrea Rincon**  
Drea

In Memory of my beloved mother...who watches me from above.... My daughter who has given me the strength.... My father and my brother who have supported me all the way through.... and the love and laughs from the CHEM OT2 and specially the OT3 crew



**Natalie Soong**  
PT, Caribbean Fresh, Nat

If I didn't learn anything, I learnt that education is about experiencing life and sharing it with all your partners "in crime"; Peeps to laugh, cry & most of all freak out with.

Special thanks to God, my parents, my family, Niki, the "Chem", "Enviro" and Cuppage "(don't ask!) crews and Brian for helping me maintain my sanity.

Hoping that we can go into the next stage of life together!

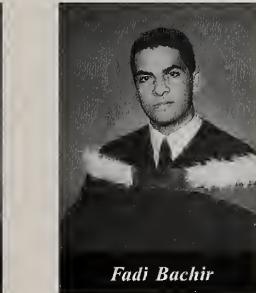


First I want to thank God who helped me and gave me hope and courage not to give up when I was really stressed out. My mom and dad, you are the greatest. My friends, LA, MM, JK, BA, MF thanks for your supports and laughter. I can't wait to enter to a new, fun and more interesting part of my life. I am OT3 for life!

**Azadeh Zereshkian**  
Azadeh



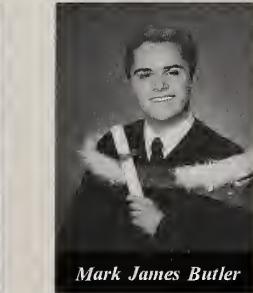
**Lina Al-Bargash**



**Fadi Bachir**



**Joseph O. Boachie**



**Mark James Butler**



First I want to thank God who helped me and gave me hope and courage not to give up when I was really stressed out. My mom and dad, you are the greatest. My friends, LA, MM, JK, BA, MF thanks for your supports and laughter. I can't wait to enter to a new, fun and more interesting part of my life. I am OT3 for life!

**Tamara Champ**



**Alan W. L. Chan**



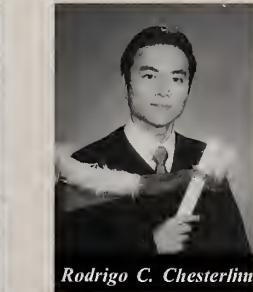
**On Chi Angie Chau**



**Yen-Chyun Chen**



**Gloria W. T. Cheng**



**Rodrigo C. Chesterlim**

"I dearly hope that all our dreams come true..." - Michelle Berry

# Chemical Engineering Graduates

AGENCIES



Benjamin David Chia



Grace Heejae Choi



Alison Chow



Ian Clinckett Chown



Kelly Anne Donovan



Nima Ebrahim



Monica El-Behery



Christine P. Fazari



Marlyne Felix



James Hayamli



Scott Brian Hodgins



Monica I. Howard



Charles Hsiao



Michael F. Jammer



Simender Simi Jolly



Joelle Kangudie



Hadeeqa Khan



Shafraz Khan



Rita Ha Yau Ko



Clement K. M. Kong



Wen-Hui Kevin Kuo



Susanna Lam



Tracy Leung



Johnny Liu



Jennifer M. McKellar



Patricia R. Musoke-Zawedde



Abdul Hadi Naveed



Amin Nikfarman



Ravi Padalia



Domenica Parente



Michelle D. Parsons



Manishaben Patel



Christopher J. Pigott



Andrey C. M. Po



Leszek Reimus



Elissa Schaman

# Chemical Engineering Graduates



Timothy C. L. Shan



Mohina Sharma



Gershon Z. Sheffield



Celeste Silang



Dhinu D. Sornalingam



Kurnnalin  
Theerarattananoon



Cindy C. H. Tsai



Vivian Zi Wei Waug



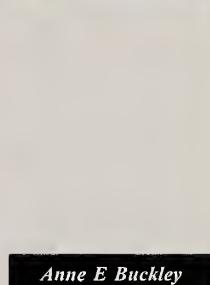
Sunalie Nilanthi  
Wickremarachchi



Augie S. Y. Wong



Hai Nien Yong



Anne E Buckley

Ryan P. De Cairos

Gwyneth M. Edamura

Heather Fawcett

Amy Gamsby

Demetrios Grivas

William C. L. Hickling

Jelena Hinic

Kevin Yu-Kai Ko

Grant Macleod

Carlo Mak

Michael A. Papadacos

Sang-Hyeon Park

Ayooran Somanathan

Shivan Sookoo

Marija Tomac

Sean Patrick Winnett

## Autographs

"Sis and bro you'll always be in my heart." - Cindy Chu

# Chemical Engineering Dinner Dance

AGENCIES



"We're done!" - Jeanne Luh

# Chemical Engineering Dinner Dance



"Thanks for the laughs, memories and support." - Muna Muasher

# Civil Engineering Department Chair

This will be my last message in the Skulebook since I conclude my second term as Chair of the Department of Civil Engineering this year. The past nine years have been a time of much challenge and change. This has been a period of unprecedented budget cuts at the University, and we have had to respond with strategic planning, restructuring, an active development campaign, and a massive increase in our externally generated research outcome. In spite of the fiscal challenges, we have made substantial progress and experienced much change.

In my time as Department Chair, we have had the opportunity to appoint 15 new faculty members, about one-half of the Department. We have developed and renovated research and teaching laboratories (the Environmental Engineering Laboratories - GB417 complex; the Intelligent Transportation Systems Centre - SF3103 complex; the Concrete Materials Laboratories - GB22, GB316, SF3101; the Geomechanics Laboratories - GB308, GB313; the Dunbar Undergraduate Mechanics Laboratory - GB13; the Undergraduate Computing Laboratory - GB422; the Cadario Facility for Integrated Learning - GB117, GB217; and we created a new Undergraduate Common Room (GB123). I view the above as a vast improvement in our ability to offer the highest quality teaching and research programs.

In this period, five faculty members of the Department have assumed endowed Chairs (two Bahen/Tanenbaum Chairs, the Robert M. Smith Chair, the Pierre Lassonde Chair and the Keck Foundation Chair), and new faculty complement groups have been created in, for example, Construction Engineering and Management and Intelligent Transportation Systems. We also developed the Collaborative Program in Environmental Engineering and the Infrastructure Engineering Option in the Division of Engineering Science.

The Graduate Class of 0T3 has benefited from these developments. We will continue to work on improvements in the Department so that future generations of graduates can benefit more. We hope that the Class of 0T3 will assist us in these future developments over time.

On behalf of the Department of Civil Engineering, I offer my sincerest congratulations to the Class of 0T3 and my best wishes for every success in your careers.

*Barry J. Adams*

## Civil Engineering Club

After winning "Club of the Year" in 2001-02, this year's version of the CivClub had some big shoes to fill. And we definitely did not get off on the right foot. First was the missing vice chair catastrophe in the months of September and early October, followed closely by the snack machine uprising, which was quickly suppressed after months of heavy bargaining (yeah she had her way with me).

So with the year's semi-disastrous occurrences already behind us, the CivClub was ready to focus on happier times. We threw a successful road hockey tournament that Tiago mistakenly thought was the Mattamy Homes company picnic. We threw a couple of fairly uneventful smokers and movie nights, but only uneventful when you compare them to the notorious Civ Dinner. Yes, I was asked to do the slide show once again, and for the second straight year, it was marred with controversy, only this time it was not intentional. After a dozen drinks, saying that someone has changed a lot, sure sounds a lot like someone has changed for the worst. Oops! I don't want to point fingers or name names, but I f\*#%ed up. Not to worry, It's nothing that another year of drinking at the concrete toboggan won't cure.

*Adam Koebel*

### Club Executive

**Adam Koebel** - Chair

**Tiago Do Couto** - Vice Chair

**Dov Nickeson** - Treasurer

**Matt Woodbeck** - Business Representative

**Meggan "Mississauga" MacCallum** - Social Representative **Shawn** - Webmaster

**Sabrina Naccarato** - Greatest Secretary *Ever*

**Rachel Sbrocchi** - 4<sup>th</sup> Year Representative

**Cassandra Siwek** - 3<sup>rd</sup> Year Representative

**Kevin Waher** - 2<sup>nd</sup> Year Representative



**Secrets:** *We have no secrets, we tell each other everything...Carley Simo ca. 1970.*



**Nicknames:** Alberta Beef, Nickelback

**Secrets:** *What happens at toboggan stays at toboggan, but Pete if you ever set me up like that again I'll kill you.*

# Civil Engineering Club Executive



CIV Club Exec.

## 2nd & 3rd Year Civil Engineering Students



CIV 0T5



CIV 0T4

"I don't want to point fingers or name names, but I f\*#%ed up." - Adam Koebel



# Civil Engineering Graduates

## AGENCIES



**Mohamed Alhaj**  
Mo & Faith

Faith is a characteristic of genius.



**Ralph Chan**

This message is for my special girl who supported me thru all these years, without you I can't get thru this alone. Let me just say "Thank You" from the bottom of my heart.



**Jonathan Chung**  
The Suit, Sipyip

The four years at skule are meaningful to me. I met some of greatest people and made too many memories. From meeting all my friends in first year, to a meaningful romantic second year, a very special third year, and the exciting fourth year. Thank you to my parents and all my friends. I will never forget any of the moments and love you all, always.



**Roberto Donatelli**  
PAPA!

Life is too short to not enjoy and too long to suffer.. Trust me, I know.. That's why they call me PAPA! So drink wine, eat good food and be merry with your friends because these are the best times of your lives!



**David R. Fennell**  
Isn't he from Timmins?

The battle has been fought! The race has been run! Together we have survived the unceasing beat-downs of each and every last merciless professor. Yes, we may have experienced physical, mental and financial destruction, but we have won. We have succeeded! And for this accomplishment I would like to thank my dear classmates, Parents, Grandparents, the wonderful and beautiful Katrina and my God Jesus Christ.



**Eric Shou-Tseng Kuo**

First of all, I would like to thank all my professors for passing me. Second of all, I would also like to thank all my professors for all the "miss impossible" work that had been assigned to me. And last but not least, I would like to thank my parents and fellow classmates throughout the cruel 4 years.



**Sean McKoy**

Four years have passed by so quickly... yet they have changed me so much. I leave these four years a better person both academically and spiritually. Regardless of all the hard work and stressful moments required to make it through these four years... I know I will definitely miss Skule. Thank you to all the people who have helped me become a better person.



**Barry Nickerson**  
Dov

Thanks for all the "extra help" I received from O.Z. and my classmates. Without it I could have well ended up in Dork. Kudos to everyone who finished these four years of torment and still has their marbles. Thanks to B+Z, my parents and the rest of my family and of course G-d. Alex - I'm an engineer not a doctor! Ilan, Zevi, Izzy - To the Bahamas we go!!



**Steven Silva**

As I look back on the journey that got me here, I can honestly say I happy. I been pushed to higher standards and achieved more than I thought possible. To all those that helped me along the way, especially my wife and family, thank you. Look out world, another UofT Engineering Graduate is coming your way!



**Melissa Winchester**  
Chester

Thanks to all my study buddies: Amaris, Steve, Pam, Moe, Tom, Rene, and Vlad! Although some of you have already moved on to bigger and better things, your help will always be remembered. Many memories will be cherished. Patricia in a garbage.. Justin in a garbage lol..Carlo's somewhat humorous jokes..being tapped to a post.. Lauren shirts;) Debu's Katie Holmes.. the LOBSTER! Good Luck to everyone!



**Wei Jun Joy Xing**  
JunJun

I'd thank for my family, XinXin, HuiHui, Joanna, Christy and all the friends that walking me through in the past four years whenever I'm happy or depressed. Thanks for your caring, supporting, and sometimes, food and assignments, you gave to me. I won't be able to get over the crazy problem sets and stressful exam period without you. I would remember every scene touches my heart and you're everything of my life. Best wishes to you and I LOVE YOU ALL!



**James K. Adriaensen**



**Maggie T. Y. Cheng**



**Chin Yao Chuang**



**Vincent W. S. Chung**



**Kien Vinh Duong**



**Frankie Yin-Ho Fu**



**Anna Maria Gonzalez**



**Bryan F. C. Handy**



**Luke K. Johnson**



**Yan Yan Alice Kam**



**Adam Matthew Koebel**



**Michael Lamanna**



**Johnson C. F. Lau**



**Wing Yee Vennesa Lau**

# Civil Engineering Graduates



Eugene Pao-Ming Lee



Stanley Sze Tai Lee



Peter Lenis



Amaris Y Liu



Alice Wai-Sum Lung



Margaret MacCallum



Maitsholedi Mazunga



Ai Yee Guinevere Ngau



Evan Oraha



Enisa Osmanbegovic



Jack Chia-Yu Peng



Wilson Wai Shun Poon



Michael E. Robbins



Sonia Saari



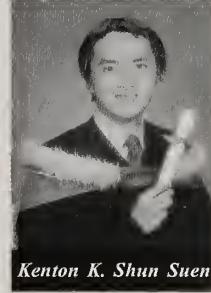
Rachel Maria Sbrocchi



Joshua J Siu



Ka-Hung Sam So



Kenton K. Shun Suen



Cheung Yuen Amy Tsui



Zhi Nancy Wang



Bill Siu Kong Wong



David Ho Chung Wong



Pamela Yiu



Melanie Lynn Ghent

Darrell Lee Hanson

Michael R. Iammarino

Hussam Alfred Khazen

Jason Wayne Loftus

Jeff Ormonde

Siddharth Pharasi

Darren Gregory Rotsch

Mariko Uda

## Autographs

"Ilan, Zevi, Izzy - To the Bahamas we go!!" - Barry Nickerson

## Civil Engineering Club Events



Vodka Christmas



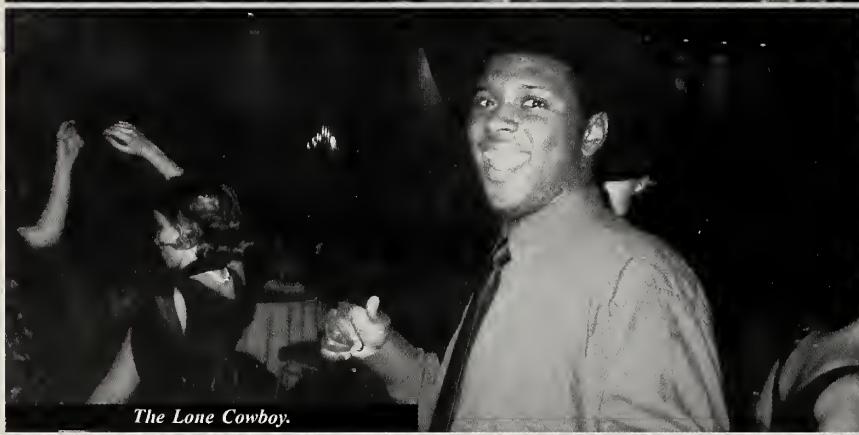
A handsome couple. Never trust a Greek



Is Jordan Tootoo or Tiago Do Couto?



No date? ... No wonder!



The Lone Cowboy.



Dov? Doing Exercise? Photographic Evidence



What do you mean your name's not Caroline?



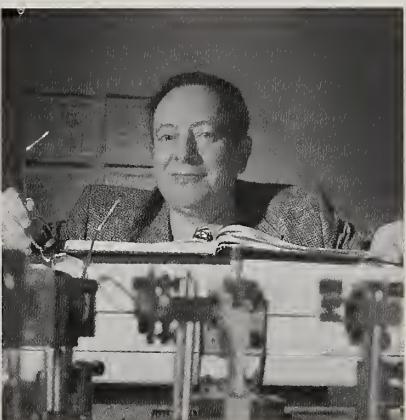
Sadly, Mike was the designated driver.

"Faith is a characteristic of genius." - Mohamed Alhaj

## **Electrical & Computer Engineering Department Chair**

The discipline of electrical and computer engineering continues to evolve, opening exciting opportunities in research, in industry, and in business. The new products and services that have resulted from the information revolution are changing the way we live and do business. Despite the enormous innovations that we have seen in the past two decades, there is no end in sight. The research that is underway today in university and industry labs portends exciting developments in areas such as microelectronics and nanotechnology, biomedical engineering, computers, energy, and many others.

Today we witness a slow down in industry that is a result of the inevitable economic cycles that affect all aspects of the economy including, of course, our field. In fact, because of the information revolution, the boom that we have seen in the past 10 years has been longer and more intense than anything we can remember. There is no doubt in my mind that once economic growth resumes, electrical and computer engineering will lead the way, with contributions on even broader scale than we have seen before. I am confident that the future awaiting today's graduating class is as bright as ever.



The temporary lull in the economy and the exciting new areas of research suggest that one of the very worthwhile choices for ECE graduates is to continue in graduate school. Today, the M.A.Sc. degree should be viewed as the basic entry point into the high-technology industry. The Ph.D. degree is the gateway to a truly exciting career in research, whether in industry or in academia. In this regard, I should add that excellent opportunities for faculty positions in universities are available today and are expected to continue to be available for at least a decade.

A major new development in the Department this year has been the completion of the Bahen Centre for Information Technology. This new building has been made possible through the generosity of the Ontario Government, the Federal Government, and many alumni and friends of the Faculty, individuals and corporations, led by John and Margaret Bahen. The Bahen Centre is providing much needed space for lecture rooms and laboratories to meet the needs of the significant expansion that has taken place in the department of Electrical and Computer Engineering and the Department of Computer Science. I am very pleased that, for the first time, we have been able to create a study room for ECE students. The room is equipped with a wireless network so that students who wish to do so can bring a notebook computer and have access to their files on departmental machines.

The new building, combined with the funding made available through the ATOP program, has given us an opportunity to upgrade much of the equipment in the undergraduate laboratories, including the digital systems lab, the photonics lab, and a brand new PC lab. Specially, I want to acknowledge the excellent contribution towards equipment renewal that we have received from the Levy Fund.

I would like to acknowledge the excellent leadership provided by Marcella Fioroni and Victoria Park and their executive to the Electrical and Computer Club. I am very happy that we have been able to provide more space for the club's Common Room in its new location in the Engineering Annex. I would also like to thank Howard Tam and Jennifer Wong for their leadership of the IEEE Student Branch, which has also moved to new space, and to thank Professor Wai-Tung Ng for continuing to provide support and guidance to the branch.

With best wishes to all.

**Safwat G. Zaky**

## **Electrical & Computer Engineering Club Activities**



"I am confident that the future awaiting today's graduating class is as bright as ever." - Safwat G. Zaky



# Electrical & Computer Engineering Club

I can't believe this...we get a whole Skulebook page for each discipline...that's 2 full pages! And Victoria has agreed to let me do the narrative (nice!), so here goes....

I've been with the ECE Club since my second year, and I have to say that this has been the most exceptional year yet. We put together tons of events and the club execs were just amazing with hard work, dedication, cooperation and many new ideas. And a special thank you to our section reps who were always a great help when we were in need of a hand. Your input throughout the year was invaluable and you played a vital role in making a difference in Skule. Thanks to all of you - without the effort of the club execs and section reps, we couldn't have made all these events possible and successful.

And so you ask, what was it that was so exceptional about this year??!!

Firstly, the construction of the brand new ECE website extremely helpful from day one and was a great part of all the events. It features textbook exchange, information about club events, student feedback and event pics. Thanks to the students who took advantage of the site! The website was updated by Omar regularly and would like to thank him for his diligence.

This year we were fortunate enough to acquire a brand new common room for the ECE's...who needed that EA lab anyway? Ha! Plenty of blood, sweat and tears went into the development of this room – the hours of assembling furniture certainly paid off! It looks awesome! Great efforts by the club exec, esp Hanmin for all the maintenance work!!

And a special thank you to the department who agreed that a new foosball table was definitely in order for our new common room – thanks for the sponsorship. Also, our appreciation goes out to Microsoft who understands that no common room is complete without an Xbox. Our Common Room Grand Opening Smoker/Foosball Tourney was a great success! Thanks to everyone who came out – good times had by all!

Thanks to Kyle who took care of the most important aspect of the club – the money!! I can't think of anyone else I would rather stick with a few thousand dollars to run to the bank. Thanks for all of our help with the club!

And then there was Phil. How did he find his way into the club again? Oh yeah, "Sports Director"...right. Ha ha, just kidding Phil! Thank you for your hard work in organizing all the sports events with the EAA. You were definitely a great addition to the club, it wouldn't have been the same without you.

This year we had awesome turnouts for our Movie Nights. Many thanks to Major and Matt for taking care of that responsibility. It's amazing how many people show up to an event that reads "Free Popcorn" in the small print. If anything, in four years at Skule, we engineers at least know how to minimize our food expenditures!

And then there was the Dinner Dance – yet another great success for the club. The venue at Fantasy Farm was beautiful and everyone looked awesome...we sure do clean up nicely! (BTW, did anyone else feel really tall in the front lobby? Maybe it was just me...) All club execs worked hard doing their part, especially Major who was responsible for the evening. A big thanks is in order for the \$3 drinks.

Congratulations to the recipients of the Best Professor Awards: Professors Dmitrevsky, Sheiholeslami, Kundur, Davison and Aarabi. Thank you for your hard work and passion for teaching – the students appreciate it!

The Grad Trip to Montreal (a topic very close to my heart) was a success even before it happened! First 2 buses, then 3, then 4...I don't think the Quality Hotel had any idea what they were getting into! First nite at Element, and the second at Club 737 - thanks to all that came out to party – gotta love that Happy Hour ladies! And thanks to Victoria for planning a day trip to Mt. Tremblant. The skiers came home half frozen, but still insisted they had a great time! Well, we did it guys were done Skule! ...Wait a minute, does that mean now we need to get a JOB??!! (I think I'll stick to the partying for a bit.)

Nortel, Quake, OTI and MOSAid were our hosts this year during our annual Ottawa bash - ahem...trip. The 3<sup>rd</sup> year ECE's ate, drank, danced, partied, skated, and snacked on beavertails - it's not what you think! Even the bone chilling temperatures didn't manage to take the fun out of a great trip. Many thanks to our vice-chairs Iulia and Cherie for making this trip such a success!

"PAIN HEALS, CHICKS DIG SCARS, AND GLORY LASTS FOREVER!" The ECE Chariot triumphed at the Chariot Race. With wise words from seasoned veterans and fresh energy from rookie warriors, the ECEs crossed the line first in an amazing display of courage, stamina and valour. Employing all our skills to fight off the horde from other disciplines, our finest hour came as we used martial arts, moves learned from WWF RAW and pure courage. Wearing armour passed on from generations of ECE warriors we were invincible and we conquered! Thanks to all those who ran in the race, especially Iulia and Cherie - and to Victoria for "driving" the chariot.

As I've already mentioned, I have been with the club for a few years now and I can sincerely say that this year's exec has been the most incredible by far. Thank you for such a great and fun year – we all worked well as a team and can walk away from Skule with a few more friends! Hopefully, we can keep up this momentum as next year's exec steps in. We definitely set a great example!

Finally, and most importantly, I would like to say thank you to Victoria who definitely has a better knack for politics than I do. Thanks for putting in the countless hours of work and for always thinking of ways to improve our already fantastic clubs. Your contributions were certainly felt and appreciated by all.

## Marcella Fioroni



Marcella Fioroni



Victoria Park

## ECE Executive

Comp Chair - Victoria Park  
Elec Chair - Marcella Fioroni  
Comp Vice-Chair - Cherie Wong  
Elec Vice-Chair - Iulia Deac  
Director of Operations - Matt Chan  
Social Director - Major Badhauria  
Facilities Manager - Han-Min Park  
Minister of Finance - Kyle Yie  
Communications Director - Omar Zuberi  
Sports Director - Philip Nguyen

## ECE Club Executive / 2nd & 3rd Year Electrical Engineering Students



ECE Club Exec.



ELEC 0T5



ELEC 0T4

"...we engineers at least know how to minimize our food expenditures!" - Marcella Fioroni

## 2nd & 3rd Year Computer Engineering Students

AGENCIES



COMP 0T5



COMP 0T4

# Electrical Engineering Graduates



Wow, I can't believe it's already over! Many thanks to everyone who stuck with me through the past four years; I couldn't have done it without the support of my family and friends. Good luck grads!

**David Caputo**

Cap. Capper. Cappy



**Daniel Chan**

D\*, The "Other" Dan

Thanks guys for your help and support over the past few years... you know who you are. Best of luck to all of you and I hope our paths cross in the future.



**Lawson Chan**

The past four years have certainly been unforgettable. Thanks to family for their support and as well as my friends for all the good times. Good Luck All!!!!



Finally, it's our turn to get IRON RINGS! Four years of study in U of T have been great and meaningful for me: 1. I learned a lot from professors and TAs 2. I made many many good friends. 3. I was trained so in the near future, I will be a professional engineer. All the memories I had here will be remembered and appreciated. To all my classmates: I will always be there for you when needed and our friendship will last forever. To E.E. at U of T. It's proud to be part of you and I am thankful.

**Chien-hua James Chen**

Pandaclam



**Daniel Chung**

It has been 5 great years here at UofT Engineering. Learned a lot, and had a lot of fun with many friends... Thanks to all my friends for making this experience a lot more enjoyable. Keep in touch, Daniel.



**Amanda Chung-Tan-Wing**

Five years! can't believe it's over... i'm gonna miss all you crazy folk... fav memories... dinner dances, montreal OT1 and OT2, ottawa, crazy cancon, and frosh... fav ppl. you kno who you are... those gone before us.. OT2(noPEY), AT1ers, fellow PEYers, and jam&pris. TROUBLE!! keep in touch... hope i don't see any of you in the unemployment line! Special thanks to mom dad and ranate... thanks for all the hugs... couldn't have done it without you we made it!!



Best of luck to everyone, I hope you had a decent time... I know I did. I didn't know electrons could do so many things

**Natasha Dharamdial**

Stupid Frosh



**Chung Shing Fan**

TBA

To all of you who don't know me, I just want to say "Hi" and "Bye". To all of you who do know me, brb!!!



**Slawomir Figiel**

Greasy Elec

I doubt that ever again in life will four years fly by as quickly. Here's a quick summary: hollow, floppy fish, 1.5% computer assignment we all got caught on, Egypt, soc101, Lake Massasauga, Boner "T", posterboy, buck-boost, and the list goes on. I would have never succeeded without the support of my friends and family, for which I am extremely grateful. "This is the very perfection of a man, to find his own imperfections"



I ain't got time fo tha Jibba Jabba! Let me cut to the chase. Thanks to DS, SS, VT, MM, CP, KM, ND, RM, PC, CH, PV, RL, SF, JC, VA, BT, LA, and everyone else who made these past 5 years the experience that it was. Special thanks to K! and my parents for their love and support. "Don't take life seriously because you can't come out of it alive." Time to get Fluke on the road....

**Robert Hayman**



**Henry Huan-Husna Hsu**

Friends I made and memories we shared in my 4 years are simply priceless! My sister and parents' unconditional supports and love are what I appreciate the most. TKD&MKC: thanks for always being there for me! Ying & Lum: my angels through my toughest time. Luv U2 always! Jie: so sweet being your Di! Sally & Cat: luv your MIE classes! Of course, my most adorable FK VP! I'll miss U all! ^.^



**Mohammed T. Khan**

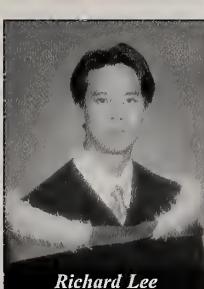
T-Man

Where dowego 4rm here? The RockyRoad has Ended & this Journey is Done. But as I stand here not knowing where 2go. A GoldnGate Swings OpenAnother Path Begins. I'll take my 1<sup>st</sup> step. Thru the Gates of my Dstny Blind N notknowing where it'll Lead. My Fear willnot Ovrm Me. B/C my Strength will Push me 2 always go4ward. So don't worry 4 me. I'll survive. CU downtheroad 10yrs4rm now. XST. Allah4guidance 2my parents4 raising me right, da luv&support. ThaxnsUofT



After suffering countless labs, decoding chicken scratch in 416, and developing a chronic sleep disorder, I'm finally done! Thanks to my NSCI/ECE friends for being cool people to hang/suffer with. Thank you Elena, Will, and Viv. Each of you inspires me in some unique way.

**Andrew Lai**



**Richard Lee**

Rich, ohrichrich?

I finally made it to the end. What more could I have asked for? A big thanks goes out to everyone who has helped me along the way. Aside from all the schoolwork, it has been the most amazing 4 years. Thanks, good luck, and goodbye!



**Paul Leung**

Four years study in Engineering @UT is not easy!! I could not survive in these four years without the supports from my family and my friends. I want to say thank you to my dad, my mom, my brother, my grandmom, my uncle and my aunts and tell them I always love them!! To my friends, without them, I will not have so much fun in school life. Thank you!! I can't list them all here but you guys are important to me, Thank You!! And "Friendship Forever!"



Special thanks to my family for supporting my 4 years of painful engineering study. Amy, Albert, Dora, Eric, Vincent, James, Jennifer, Amei, JY... etc. I'm very grateful knowing you guys. Thanks for being around me for these years. Thank God for everything You've provided to me.

**Chih-An (Angela) Lin**

Angela



**Martin Lodyga**

Mouthful, Howsumromma

After spending the last 4 years at the top of my class I'm leaving Skule for a prestigious career at Nortel. "Sim simmy, who got the keys to my rusted out GMC Jimmy?" Thanks to all those close to me for the LAUGHTER and GOODTIMES.. Da Fam, Fab Five(SMKRFQCK) & random others. Wishing you a good one...Lates "Electrical Engineers do it till it Hertz"



**Safdar Mahmood**

"Pulling a Saf", Rraoud C.

6 90+ OACs  
35000 big ones in tuition/expenses  
600 hrs of "experience"  
40 back-breaking ECE courses  
1 Technology slump (a la OBL)

= I recycled iron ring + 0 chances of employment  
Ahh... can't wait to graduate.  
GR&timzKpitrealpropstodaboyz - MLKRFQCK + brwncrew979 + chemfems+ecegeeks03 + "trust me" "I want everything; do you have it?"



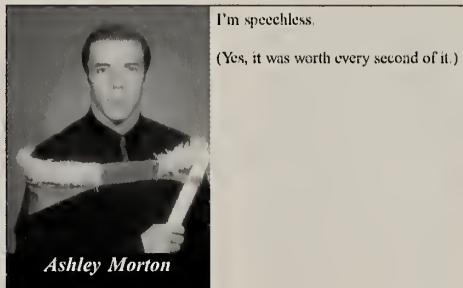
# Electrical Engineering Graduates

## AGENCIES



**Kristian Medri**

Think critically and apply the outcome, ardently improve. Live sustainably and help make the world a better place. It's an extension of almost all belief systems - do unto others as you would have done unto yourself. Keep/get in touch & help in this effort. Many thanks for all your support.



**Ashley Morton**

I'm speechless.  
(Yes, it was worth every second of it.)



**Raymond Ng**

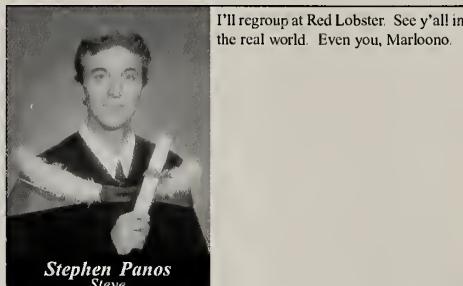
<<Raymond>>

Thanks papa, mama for your ongoing support! Without you, I wouldn't be here? I would also like to say thanks to my dearest friends and roommates, K&R, AO, Px3T, JJ, MC, DC, BL, P, JY, EY, AIESECers - all of you are always with me no matter I am happy or sad! I will never forget the days when we get together and chat, I won't forget those nice fantastic getaway trips BPL, LC - it's great to work with all of you. You guys are great! Keep in touch buddies!



**Priscilla Owen**  
pris\_owenp

I don't think there's any way for me not to make this message sentimental, so here it goes. Thanks to my family for always supporting me. Thanks to the friends I've made along the way. VT LZ AS AC PL MF KG SB MJ and AL TC BS.. and to my peers. I wish you all good luck. See you all in the real world! ) Thank you.



**Stephen Puno**  
Steve

I'll regroup at Red Lobster. See y'all in the real world. Even you, Marloono.



**Rohit Shanker**

First, my love to my Mom, Dad, Shobhit, and my family in India for supporting me through everything. Bhavna, Winnie, Lisa, Hazel, other friends from Vic, Frosty, Wil Timmmmay, Tom, Christianity, Jibba Jibba Crew from Skule - you ARE the BEST group of friends that I have hoped for! Check our yearbook for details of OUR fun times! CONGRATULATIONS to all the (future) alumni of UofT and I wish you the best of luck for the future!!!



**William Shek**

The completion of 4 years of Engineering would not be possible without the combined encouragements and guidance of family, friends, and God. I owe you all many thanks. Coming out of Engineering, I face this world with increased perseverance, which in turn builds character, and character, hope. And hope does not disappoint us...



**Hui Shu**  
little huihu

Thanks to my friends-Joanna, Christy, Man, Shawn, May, Guan-who has helped me to walk through all the sleepless nights in the labs, the impossible tests, and the depressed exam periods. I couldn't have made it without you guys. Special thanks to my parents, my honey Maomao, and my roommate Junjun, your unconditional support and love means everything to me. Wish all of you the best of luck. Let us enjoy everyday of our lives!



**Benjamin Tan**

A Thousand Summers White

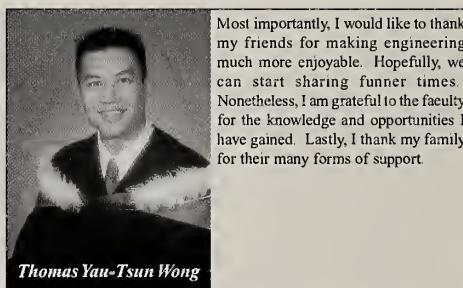
life is a sordid gift  
when we watch  
our delicate goddesses  
in gown and bare feet  
sit and cry a lake  
for a thousand summers  
white

— Benjamin Tan, Oct '98



**Elmer Ting**

These four (+PEY) years have finally ended with this proud moment. I look forward to the days where I can apply the knowledge I have gained during my time here. Thanks to my family, the great minds and everyone I met along the way who have made this journey worthwhile. See you in the real world.



**Thomas Yau-Tsun Wong**

Most importantly, I would like to thank my friends for making engineering much more enjoyable. Hopefully, we can start sharing funnier times. Nonetheless, I am grateful to the faculty for the knowledge and opportunities I have gained. Lastly, I thank my family for their many forms of support.



**Nicolas Yak**  
Nick

What I've learned? Mom: still loving, Dad: still wise; Amelie: still smarter than me; Karen: still my bestfriend; Morgan: still watching over me; MC: still a beast; GN: still stalling; FL: still intimidating; BO: still picking up; BA: still scheming; THE ECE CREW: still studying; ANYONE I'VE MISSED: still in my heart...

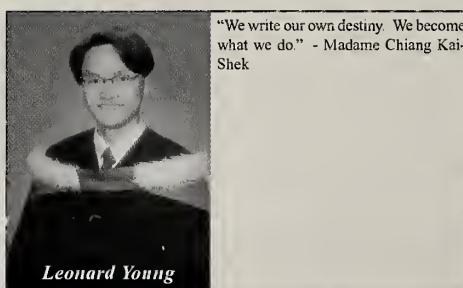
"The path ahead of us is never as great as the power behind us"

- Alcoholics Anonymous



**Gordon Yip**

I'd like to thank my friends and family for all of their support during my time at U of T. I wish everyone the best of luck in the future.



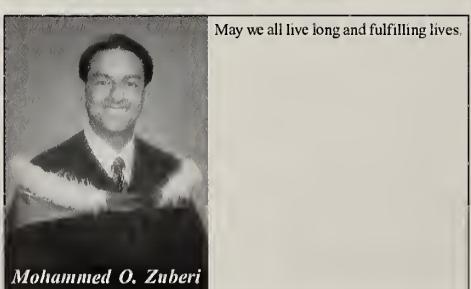
**Leonard Young**

"We write our own destiny. We become what we do." - Madame Chiang Kai-Shek



**Puxin Zhang**

My time as an undergrad has been amazing. I'll always remember NC Johnson House, 15 Ross, & 18 Oxford. Thanks to SB, MJ, little MJ, Lemma, Brown, Johnson Crew, and everyone who helped me to keep my sanity intact. Best of luck to all!



**Mohammed O. Zuberi**  
Zubery, foo baa, zuu

May we all live long and fulfilling lives.



**Muhammad D. Ahmad**



**Rajendra Balendra**



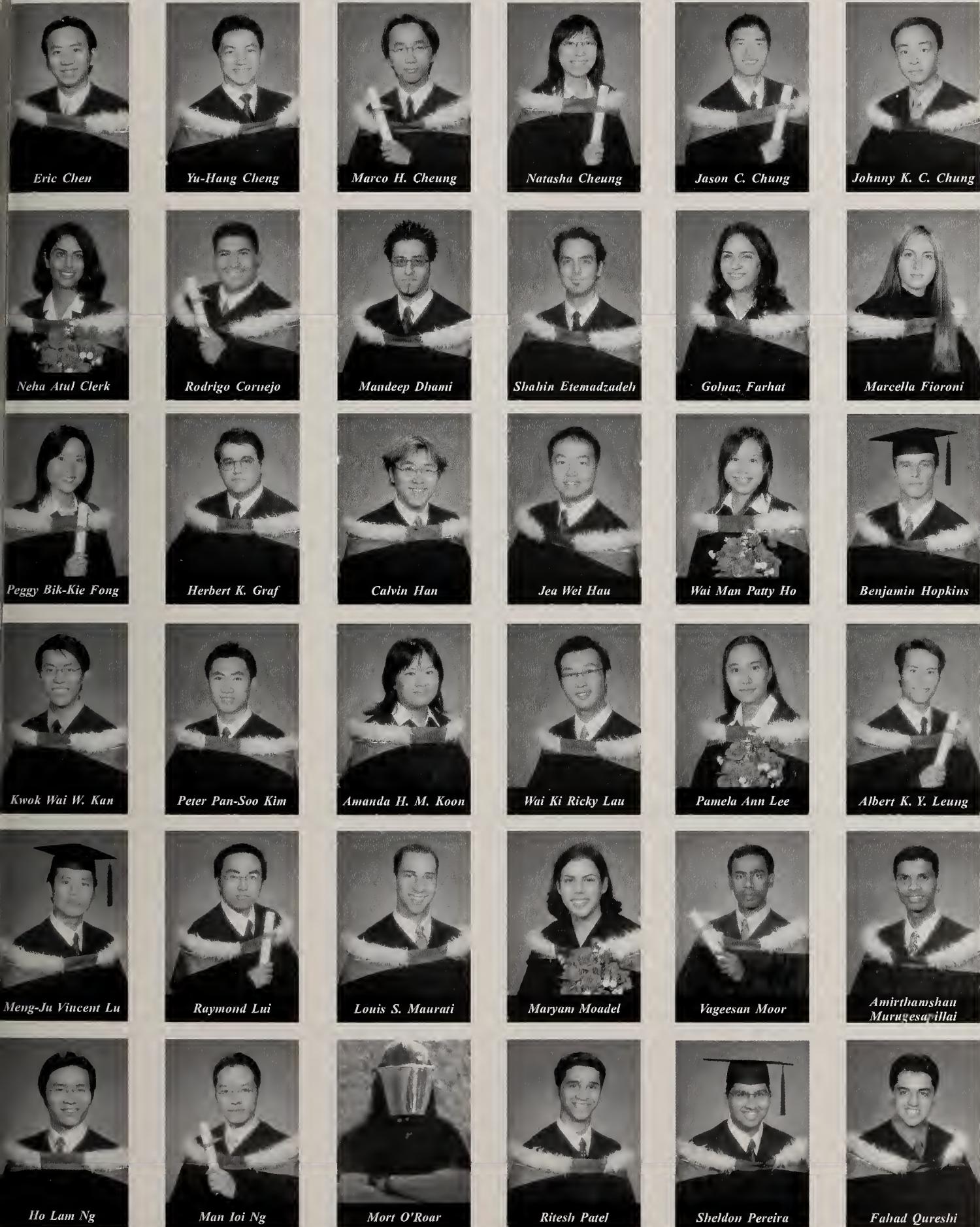
**Phing C. Chang**



**Chih Tung Chen**

"Think critically and apply the outcome, ardently improve." - Kristian Medri

# Electrical Engineering Graduates



"Life is a sordid gift..." - Benjamin Tan

# Electrical Engineering Graduates

AGENCIES



Karan Tej Raina



Ritu Seth



Shaheen Shaikh



Regina E. K. Song



Visuja Soronda



Chieu-Huong Suni



Kar Kei Maggie Tam



Niwesh Teliawala



Vageesau  
Thirugnanamoorthy



Quoc Phu Trang



Chih-Chung  
Jonathan Wei



Jennifer M. Wong



Silvester Wong



Maciej M. Wrouski



Zi Kyle Yie



Ling Tai Zee



Mei-Fei Zhao



Jonathan Abebe

Shoeb Ahmad

Timothy Bilic

Matthew K. Chan

Dale S. L. Dolan

Golnaz Farat

Edward J. Gandolfi

Thomas R. Grochmal

Dragan Jovicic

Rafal Karakiewicz

Andrea Lau

Bosco-Ho-Yin Mak

Benjamin Nagy

Zakir Patel

Michael G. Plonka

Sharon Portnoy

Antonio Ruberto

Petar Saravolac

James See

Edvin Shehu

Yung-Chiang Tai

Joe Dung Anh Tran

Michael A. Wyzga

Paul C. Zyla

## Autographs

# Computer Engineering Graduates



I need a job, someone please hire me

**Mazen Almaoui**



**Stephen Beath**

Every year at U of T seemed to prove my intelligence was in decline - a race to see if I could graduate before it was too late. But what memories! the crew - MJ, PZ, MJ, unforgettable Dawn magic, 357 Boy Band w/ IC-CB, solar w/ JS, Ottawa chillin' w/ PO, GS. As always the HS peeps. 1st year travels(failures), quad darts, beer tasters, eating challenges, HH Farms, frosh leardurings, highgames, civ note burnings, innuendo!



**Robert Bradley**

I MADE IT! To all my family, especially Mom, Dad (who paid the bills) and Sarah: you always pushed me to be my best. I know it took some shoving. To the Clique, you're the best. To the boys at skule, here's to no more weekend getaways to ugsparc. To Melissa: we made it baby, I love you. I couldn't have done it without all you guys. Thanks.



Four long years!!! Can't believe it's almost over. Millions of thanx to my family and friends for their support. Thaxn Mei for ur fried noodles, u r my life saver. Thanx Gloria for um...pointing out the cute guy in lecture (u gotta work harder for ur dinner, gal). Becca, traitor, should have stickeed with us this yr. Wish everyone the best. CHEERS!!!

**Joyce Cao**



Finally... I can get some decent sleep! Thanks to everyone who made these 4 years enjoyable and memorable: ski trips, foosball, crazy exams, overnight programming, Ottawa and Montreal! Good luck to you all... See you out there.

**Michael Chan**



**Vincent Y.H. Chen**

Thanks for ones who helped and gave me a hand when i was in distress; Thanks for ones who listened to my problems and told me what they thought; Thanks for ones who worked together with me on endless nights and days, Thanks for ones who partied and drank and got wasted with me, Thanks for ones who all know who you are and how important you have been in these college years and in the future years to come.



Special thanks to my family, twins, and relatives for giving me strong support all these years. Thanks to my buddies especially Arlen, Jay, and Marco for making my university life an unbelievable joke. It can't be more colourful and "clean" without them. After spending 5 years in all guys high school and another 5 in engineering, I am glad that I am still a straight son of a gun! —AC

**Alex K. Y. Cheung**

*Spoony, Coolman Racer*



**Abdullah Choudhury**

*Bengali Bomber*

Firstup, thanks to the Almighty. My parents and Jochona Shit cant believe I am here. Well lets see.. Frosh! 99, Tony Cox, Grabbing lot Za balls, Madd gayness, TJ rapes KM, New College, NHL's, Hritik Dances, SAA, Teri chinariya, Best Western, BSA, Sprity shit, Aishwariya, The family tree by TJ, My Birth story by TJ, Da Hood, South Park Songs, Dong (RV's ultimate pleasure), Porn n' Hindi movies, The prof ranking system, Madeeha @desibaba.com, TS and TJ, thanks for 419 and 341, Good luck, Here we go!



**Terry Siu Wing Chu**

After these 4 yrs sleepless but exciting enginnering life, finally, I can say goodbye to segmentation fault, convolution, and NP hard. I will not miss them anyways. Special thanks to my project partner BC,JH,SW, PEY-mate KL,AW,FC and also LY,BY,AC,HL,LX,AW,PW,BY,KH and all ppl I know. Thks for you guys give me a lot of fun and wish you guy have a bright future :)



4 years of skule, blood and tears. It's an enjoyable experience I would never forget. NEWays, wanna thank God for carrying me thru all these years, keeping me out of trouble and giving me all these buddies around me. YEAH! WE MADE IT THRU! Thanks to my family, friends, and bro/sis for all your support. Sum, thanx for being considerate and supportive. Yada best! Last words: Jeff, stop harassing guys! CHILL!

**Brian Chui**

*MC*



**Milena Da Anunciacao**

Four very loooonng years of engineering. I'm glad the courses are over! I will always cherish the friendships that Skule has given to me. I would not have made it through without them. Thank you to all my friends for their help and thank you to my parents and brother for their support. "That's it, I'm outta here" — Homer Simpson's Brain



**Nicholas A. Dargus**

*D-man*

It's been a long time coming and finally my four years of insanity are over. There were a lot of twists and turns in the road, but it is filled with memories and friendships that will last a lifetime. Special thanks go to JB, DD, JG, BH, DKL, ER, my family, the Blues swim team and most of all JRS. Without all of you, it never could have been done! Last thing: Varsity Swimming rules!!!



The most important thing you learn in university is how to learn and the most important thing you take with you is the experiences and friends that have helped shape you. Thanks to TD, CR, AB, RK, MV, ER, LL, JS, SD and everyone else who helped make the past four years enjoyable, despite the endless work! A special thanks to my family and Natalie.

Life has just begun...

**Brian J. Dennis**

*B., Bri*



**Shawn M. D'Souza**

*Rebort, Count Mackula*

The iron ring is many things to many people. For most, it is a symbol of great accomplishment and a reminder of the fond memories of U of T. For myself, it serves as a constant reminder that skule is officially my bitch. Now go make me a sammich



"Give the world the best you've got, and the best will come back to you!"

**George Epaminondas**



Finally, we have reached the end of a unique experience. My deepest regards go out to all those whose friendship made the passing of the years so memorable. For myself, I look towards a future that starts at the end of our common past. "But tell me, my brothers, if humanity still lacks a goal - is humanity itself not still lacking too? Thus spoke Zarathustra."

**Mark Daniel Fischler**

*Fischler*



**Fiona Fung**

"It is our choices in life that determines who we are, far more than our abilities." To my family, thanks for all your love and support. To my friends, thanks for filling my skule years with beautiful memories. Last but not least, to my dearest Andrew, thank you for being my cherished soul-mate, and above all else my best friend. I thank God for you, my greatest blessing.



**Lemann Fung**

To those who helped along the way, to get me where I am today. Thank you. Special thanks to Mom and Dad for all their love and support. Whoever invented foosball was a genius. ECE CLAN 4 LIFE!

# Computer Engineering Graduates

## AGENCIES



**Simon Fung**

There have been some great people who've made school as all right as it could have been. And some courses were interesting. But I still liked high school more. And that was free.



**Karina Gambhir**  
K!, pK, 3 of 3, misskg

The best part of Skule was the people and all the fun times — These are friendships for life! Procrastination and BSing are important qualities! Remember: Everything happens for a Reason!!!



**WeiYue Gao**

Finally made it after all four years calculating, coding, debugging, copying... To my parents: Thank you for all the supports. I won't have done without your supports. To my colleagues and professors: Thanks for not teaching me the knowledge but also to learn it. Best Wishes to all my fr...



**Jeremy Gillard**

Wow! It is hard to believe the 4 yrs that is engineering is finally done. No more problem sets. No more tests. Now that is the life!



**Sami Hajir**

Hmm.. that passed pretty fast. You guys remember Delta/Eps? After four years, how many comps can you name? So who should we thank for this, Xpilot? bomberman? castle? oh right AG, CW, DM, DTD group, ES, GP, GM, MD, MF, NL, SP, Dick and Pecker, all muslim&arab boys and girls, and the classic "I'd like to thank my family for being there for me""But it's not due for another hour!"



**Wenchao He**  
*B*

These 4 years at UofT have come gone in a flash. Thanks MOM & & BB for all your love and unconditional support. Thanks to all the friends who've shared these years with me. Good luck to all I know & keep in touch!



**Thomas Ho**

Four years of engineering, 16 months of PEY, countless hours in the lab, and \$20,000 in tuition in exchange for one engineering degree and an iron ring. Priceless isn't it? Thanks to all those who helped me through this journey! Now it's time to find some real challenges in life. =)



**Colin Huang**  
*Poo*

Last yr, one of the most popular public attractions in South Korea was a 7-room exhibition called The History of Dung, at Seoul Land, an amusement park. Visitors exited the show through a giant 4-metre replica stool. Poo is to school as school is to Poo. Exiting school is like poo exiting. What a relief! Thanks mommy, daddy, e.e., dahguh, erguh, maureen and my friends. I owe you big time



**Janice Ka Po Hung**

Can't believe it's finally over. Time to step out into the real world! Special thanks to Mom, Dad, and Bro supporting me all these years. Good luck to all the graduates!



**Mohammed Islam**  
*Mo*

It's been a long and gruelling journey but it's finally over!! Time to catch up on some sleep! Unbelievable how time passes by so fast! I can still remember my frosh year like it was yesterday! I've met a lot of great people during my time at UofT and I won't forget them! I want to thank my family for their love and support through out those years!



**Mark Jaggassar**  
*Jaz, Jag*

Thanks to the friends and family that helped me through it all. You made my experiences memorable. NOTE TO FUTURE SELF: School was freakin' hard! Thx to SB PZ MJ SK and SK, 357/402 Euclid - IC CB. Ah, the memories. Ska Shows, Dinner Discs, Beer Taster's, Coffee House, Mustang Sally, Jamming, Summer Netfests, AP T(TS) MP AM MM and Crew, Serenades, Family Porn Night, Purple People, HH Farm, Toike, LGMB, X-mas Parades, BFC, Blowdarts.



**Sebastian Kun**  
*Seabass*

4.5 years condensed into 50-75 weeks 3-peat at New, the handi-stall, ho reppin', poker night, B&G, Pump concert, uspsare all-nighters, Karaoke, New Dragonz, PEY, guarding, 5 Flr weeks, occasional mischief, no photography, and Toike. Most important lesson: never compromise yours. Shouts to parents, EF CR JB RD WT BS SPD ND CP AM GS IG TL SJC EM MSS EB, and Mr. J, greatest [anything] partner ever.



**Wendy Kwok**

Thks WL, VL, GC, LM, JL, LL, TC, RC, JK & mum! Hope our path'll X again!



**Rocco Lamanna**  
*Rock*

To my family: thanks for your love and support. To my friends: thanks for all the laughs and memories. Best of luck to all!



**Edmund Lee**  
*Eddy*

Snort. Tell my kids I'm sorry to fo them into engineering



**Edward C. T. Lee**  
*Edward Scissors Hands.*

People say economy OT3 is still a bad year to graduate since we can't get jobs. But isn't life boring if everything is easy? I felt good about completing 4 years of hell in engineering. Well this is just another stage and I'm up for it. PEY rocks, go work elsewhere and see more stuff. My PEY year in CALI was the best.



**Shelley Hsing-Ling Lee**

On my way to SKULE today, I witnessed a physical fight between a father and his teenage son. It made me realize what I take for granted: skule mates as you move on to pursue your dreams and goals, don't forget to slow down and spend some quality time with your family. Family, Jeffrey and Friends: thank you for the love & encouragements. Congratulations to the graduates of OT2+PEY!!!



**Leon Li**  
*strife*

I would like to thank family for supporting me and always caring about me even though I rarely got to see them and not always showing the respect I have for them. I would also like to thank my friends at school. School would be freaking unbearable without you all. Being a number sucker Walk along St. George for the best vibe hot dogs are good. Lates all =D

# Computer Engineering Graduates



Vicki Li

The 4 yrs have been memorable. Just want 2 give special thanks to TH, WK, JL, LL, SL, WL, LM, WT, GY & much more 4 being such great friends. Good luck to u all & keep in touch!



**Edwin Liang**  
ED, Special Ed.

I would like to thank uspspare166 for helping me through my programming courses



**Gloria M.H. Liao**

Yesh! We will all make it to the end and graduate next year. Whether turned out to be a smooth, rough or wild ride, nevertheless, we're all crews on the same boat, working together, helping each other, sharing the fun, joy, laughter and tears. For their support and support from my family, infinite thanks and gratitudes. Wish you all GOOD LUCK and SUCCESS in the future!! JC, MFZ zillions THANX. Wish I've a full pg to list friends who deserve special thanks and treats...



**Jeffrey Liu**  
Big Mac Mead

I would like to thank: Buddha for his bless, teaching and guidance. My parents for love and supports. My sweetheart, Shelley, for love and reminding me to work hard. My Bro/Sis for doing the house works. ATI for my PEY, Prof G. Elec for NSERC. Terry, Jack, Charlie, Joe, Juan and all other friends for all the time spent together



**Joanna Y. Liu**

For those who don't know me, good bye and good luck to you all! For those who know me, thanks for your support, and you have made my college life a memorable experience! Especially for Shawn, little huihui, beautiful junjun, chatty Christy, nice Gloria and Joyce, cool Aonan, pretty Diana, and a lot of you I don't have space for =), thank you all, and best wishes to your future. I love you all!



**Kelvin Lo**

A big thank you to my family for their continuous support throughout the many years. Luzia, I love you, you're the source of my happiness. The things I learned at school was all good and merry, but the most memorable moments are the last minute assignments, sleepy lectures, the "team work" ^\_- , and all you guys! Our paths shall cross once more!



**Wynn Looi**

These past years have been amazing! Thanks to all those that made life here entertaining! On those sleepless nights, tried to keep going with all might, almost got into a fight, all those crazy sights. Would you do it all over again? For sheezy!!



**Kashfi Mahmud**  
KaSh

its over before i got thru the shock of it starting now, we can laff bout it all (copying labs from upper years, profs no speak English, stayin up all nite pretending it would help to pass exams) regardless, made some lifelong friends, had a few goo times (colin's striptease, waterfites, snowmen, late nites procrastinating .). mostly, thank u 2 my support system for being there for me, always, anywhere, anytime. one love.



**Umer R. Malik**  
U. R. Malik

Make a difference , Now matter how small nor how big. My Existence is to » Enjoy Life » Earn good Money » Good People » Be of Assistance



**Maithili Mavinkurve**  
mat, table-shaker, 1 of 3

thanx and love to family and friends. NOW.. "Let's shift out of here like a shift register!"



**Dino Mazza**

Four years of Skule,  
And finally I can say  
It's all behind me, Thank God.  
With a diploma now in my hand  
And a ring on my finger, its time to  
Face the real world.  
A special thank you to my friends  
For helping me through the tough times,  
it will never be forgotten,  
And to my family for all their support,  
patience and sacrifices.  
Dino Mazza, B.A.Sc



**Sean Menezes**

I hated skule and everyone there. Oh, the memories. I'll miss you guys unless you go to grad school. Thanks to my friends and family who helped me get through these dark years and the eng funk.



**Leslie Mo**  
Do Mo

A random variable is neither random nor a variable, just like practicals aren't really practical. Don't be gullible! Now is the time to pursue passions...



**Carlos J. Moreira**

It's been a great 5 years, from pulling all nighters, to hanging out with friends, to working at ATI for PEY. I'll never forget it. Thanks to my family and friends.



**Phillip Nguyen**  
Mt. Hai

The last 4 years have been the most challenging of my life and I can't wait for it to be over. Thanks to all my friends, especially those who lent me their assignments/labs/etc... With out them, I would not have made it here. Thanks to my family who supported me from the very beginning.



**Babak Omidi**

The past five years have been full of mysteries and adventures. There were good days and bad days. Many things were said and done and a lot has been forgotten, but the experience is one that I will never forget. One thing that I have learned is to cherish life and enjoy it as much as possible. After all we only live once.



**Kuhan Paramsothy**

To my friends, I appreciate each one of you more than you could ever know. To my family, for your unwavering support I am forever indebted. To the rest, if you saw me out of the corner of your eye that was enough.



**Victoria Jihye Park**  
Victoria, Tokki

ECExecs, GBoys, PKSY, thanx to all my friends, I survived and I made it! The NAV's just started @ U of T and it's excellent! Mom, Dad, Gloria & Grace, thank u for being there for me always. I love you! The most precious person who came into my life, my boyfriend & fiance, YoungJi oppa, the best decision I made in my life was coming here to meet you. I love you! Thanks all!

"Would you do it all over again? For sheezy!!" - Wynn Looi

# Computer Engineering Graduates

## AGENCIES



**Jatin Patel**  
J10

I started university knowing only 2 friends. I leave now knowing 40 more who I consider dear friends. 4 years seem too short of a time... but the memories I have of these wonderful years with these friends will always be remembered. From the many genius scams pulled, to the all-nighters finishing labs and assignments, these days make me reminisce the most.



**Carlo Perez**  
C-Jo, 'Los Shmarlo, Jologs

Engineering will kill your social life like a small dog. But let your anger be as a monkey in a piñata: Hiding with the candy, hoping the kids don't break through with the stick. 0\_0 Never let your life stop you from living... See you on the beach!

[MD/DF/IC/ND/PL/TC/RH/SL/  
DK/BH/JA/RL/MW/PP/EL/LG/  
AS/RH/KT/JC/EG/CC]

...though I know I'll never lose affection...



**Thomas Ian Roberts**  
Mr. Incredible, Chief

"Wow. I can't believe I'm actually for the first time, for the last time, it's been a great 6 years. Thanks to Faculty for letting me stay, thank Matt for giving me the opportunity lifetime as C.A., and thanks to all friends I've met along the way — you made me a better person. Tha especially to M & D, T & F, J & V love you all!"



**Mark Santos**

And so it ends. Sleepless nights in the SF basement, NewHo in the Thugspace labs, bootlegged textbooks from Copywell, TAs with grade 2 English skills, and lectures that go on and on. Big up to the friends that made it all worth it. We have plenty of stories. To Jatin and Shawn, neee. World get ready, we're busting outta this joint.



**Lowell Selorio**  
Papa Squid

I can't believe it's over, but all good things... Thanks to my family and to all my friends. Keep in touch. I will never forget any of you and the good (and bad) times we shared together. See ya in the uspaces. New Ho's on me. ECE CLAN 4 LIFE.



**Suraj Shrestha**  
Mabi

Hey guys, it's been quite an experience.... my hearty regards to everyone Pria [you are the best!], Frank [thank you for the notes and all], Amol [is there anyone faster than you??!!], Roy [underecover project is still on!!], Fau Raj, Karan [cool dude], Asif [summa 2002!!]..... Nishan, Daw Tharshan [long live celebration brotherhood!]... Srinath, Ning Karam, Gokul, Kuha TB, Timour [smart-ass] and the one and only Hafiz [the 'Z' echoes]... best luck!!



**Shawn Siddiqui**  
idz, squeekz

tonzOfmemz&frendz | been thru pain & fun -nights at spares 2 ott and mil tripz | nitez @ york, so many jokes | 4am gamin at tha casay, n.E rD. 4 life neeee | newHo & bk fo eats, 6 months of lost sleep | z is for ezzz star | shout out 2 fatty and sleepy from slim



**Mohanarajah Sinnathamby**

it is indeed a wild ride and a good experience too.



**Rongji Situ**

After four long painful years that finally comes!

If I ask myself what I have learnt in past four years, it would be that the learning game is just started and it is not going to be easy



**Malcolm Smith**  
Black Elvis

Most rappers flex up, they vexed up, they acin hard  
Attendin Catholic school at mom's house, they soft as lard  
They roll in paeks, carryin yo-yo's, and balls and jacks  
That kid you peeped it, his boys wearin Victoria's Secret.



**Wei-Chi Drew Su**  
dulu

4 years is long enough for suffering, but thank god that I have met a lot of good friends walking me through this. Patricku, Eriku, Gi Ju, big Wei, Bird Lala, peach, cat and all the others, you all helped me a lot. thanks

And one more person, BaoBao, I really love you.



**Tharshan Sundaramoorthy**

Graduation, it's a time to be happy(final done) and sad(not enuff jobs out der) all started with de SAME HAIR CUT CREW. The bomber crew has bee through thick & thin and then some. M ballz, Religion vs. Maah Religion, the heated battle between We Are Sinusoid and Sinusoids Are Us, SKULENTINE Ottawa trip, and who can forget bou FoozBall. All not possible without friends. So a big shout out to all y'all for the memories & help to get by these past years.



**Frank Tai**  
Not Telling

I'm thrilled to finally be done, and I want to wish good luck to everyone. I'm sure I'll miss this place one day, but I'm not ready to look back just yet. I'm certain that the only place I ever slept was on the subway. And why do I never know the names of people I've just met?

I'm done with always being in a rush. And finally, I hope we all keep in touch.



**Wendy Tam**

During the past 4 years + PEY, not only have I realized how much stress I'm capable of tolerating, but also that what matters most in life is happiness. After all, "it's only by tasting what's bitter that we appreciate the sweet". To my Mom, sister, Dad, and the sensitive friends who made things sweeter, you'll always have an important place in my memories when I look back at this phase of my life.



**Srividya Thangirala**  
Vid. 2 of 3

The average person falls asleep in seven minutes. But when you're stressing about becoming an engineer, you tend to fall asleep in about 2 hour and 20 minutes. But it's not so bad for us, 'cause dolphins sleep with one eye open! Imagine that.

Anyways, thanks Ma, Nana and Nama - for your support, and Hari - for years of good advice. And to all my close friends - you're the best!



**Richard Torelli**

Who's kidding who? I hate this place



**Sergio E. Valle**  
Serge

My 4 years of engineering + PEY has been an awesome experience. Only in engineering will you see the computer labs packed on a Friday night. One of the funniest moments (although I didn't think so at the time) was when Carl opened the locked washroom door in our Ottawa hotel room with girls looking inside. To my friends: thanks for all the memories. You've made an otherwise stressful and hectic experience fun and enjoyable.



**Peter Varga**  
pete, varga

Thank you all so much for being the absolute best friends. Kushal, Mike, Jason, Naveed, Karim, Jeremy, Fiona, Rob, Liz, Jeff, and everyone I just forgot, I will miss you! Lorraine, Gushu, no words will ever describe my appreciation and love for you. You know me inside out. You will always be a part of me, now and forever. The time has come to face the world. Bring it on.

# Computer Engineering Graduates



Here I provide supplemental knowledge to improve your quality of life as stressed out engineering fighting technological ignorance in the real world - bring water to boil, add butter, add grass; boil one hour, stir, strain out spent plant matter, squeeze all juices out into liquid; refrigerate liquid; VOILA! Enchanted butter at your disposal! Now use to make brownies, on garlic bread, or mix with honey on finger and ENJOY!

Rashant Vasudeva  
Epicure



Julie Vathalloor  
Jules, Jewel

Well everyone, we've finally made it to the finish line! Congrats to all my fellow grads. Special thanks to my parents and sister Judy for their full support during these difficult years. Most of all, I thank God for helping me achieve this degree. Best wishes to all of my wonderful friends here at UofT. With love and prayers.



Stephen Chi Yan Wong  
seefan

This is the end of four years of joy and tears. I've met many good friends along the way and I thank all of them for taking this journey with me. I also have to thank my family and Covi for their unconditional support during the past few years.

Good luck to all of you!!



Just wanna give a shout-out to these amazing people I met in Skule over the past 4 years!! Vincent, Patrick, Jason, Juju, Ken, Drew, Janice, David, Shawn, Adrian, Henry, Mike, Simon, Rusty, another Mike, Jeremy, Duy, Dora, Clarence, Johnathan, James, Charles, Kyle, another Vincent, another Shawn, Jake, Alex, Raymond, Natasha, another James, Jack, another Ken, Mark, Roy, Sam, Stanley.. You guys are the bests of the bests!!

Peter Woo  
WooMan



Lin Xie

It's been a memorable 4 years here at U of T. Thanks to all my friends for their help and good luck to you all in the future.



John Jin-Hwan Yang

Many thanks to my parents and friends who helped me to graduate. (I hope I don't caught for copying this message from my friends'. ^.^)



I'd like to thank my Mom, Dad and Sally for their unconditional love and support.  
Thanks to all my buddies: you guys are incredible!  
LG: xi wang suo you zui hao de, dou hui jiang lin zai ni shen shang.



4 years + PEY went by with a blink of the eye. Thanks to mom and dad and all my friends for making me laugh and cry. Memories fade but friendships stay. Hard to believe, but think I'll miss this place, sometimes!



Chun-Yu P. Yeung

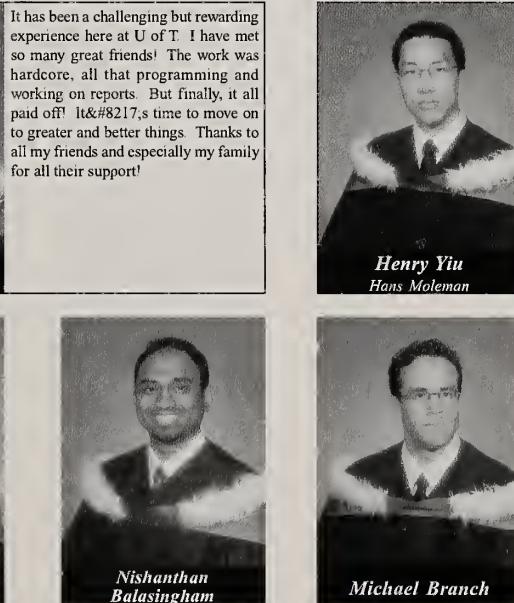
It has been a challenging but rewarding experience here at U of T. I have met so many great friends! The work was hardcore, all that programming and working on reports. But finally, it all paid off! It's time to move on to greater and better things. Thanks to all my friends and especially my family for all their support!



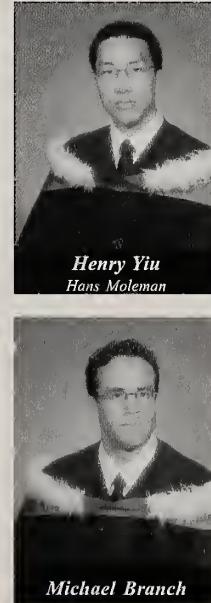
Henry Yiu  
Hans Moleman



Diana Al-Dajane



Nishanthan  
Balasingham



Michael Branch



Falcon Chan



Jason Chan



Prasan Chandra



Annie Chang



Kristen H. H. Chang



Bin Chen



Lu An Jason Chen



Shawn K. L. Chong



Nicholas J. Chorney



Andrew D. Y. Chou



Su Jin Chun



Jeffrey Dasilva



Daniel De Araujo

# Computer Engineering Graduates

## AGENCIES



Chigozie C Ejim



Payam Fakhri



Peter Fung



Christopher Graham



Wan-Ying Janice Hsu



Hsiang-Sheng Hu



Srinath V. Iyer



Igor Keizuer



Adam Kepecs



Fatima Khan



Mohammad A. Khan



Haresh Kheman



David G. Kingston



Richard Kwok



Raymond C. K. Kwong



Khaled Lababidi



Michael J. Ladanyi



Nevena Lazzic



Dora K. C. Leung



Francis Leung



Michael S Y Leung



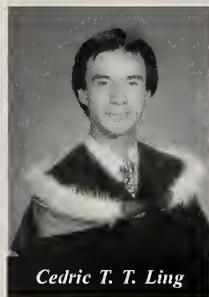
Ly Phuoc Lien



Henry Lim



Lloyd P. Lim



Cedric T. T. Ling



Quentin Lin



Shawn X. Liu



Robert Luc



Lut-Ming M. Man



Jason F. McCarty



Adam McLaurin



Diana Milarud



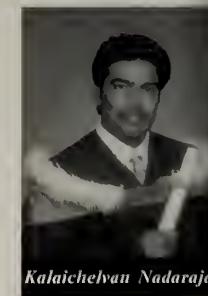
Seyed Ali Miramadi



Tiberiu Motoc



Kushal Sayeed Munir



Kalaichelvan Nadarajah

"it's only by tasting what's bitter that we appreciate the sweet" - Wendy Tam

# Computer Engineering Graduates



Noya Najafi Ashtiani



David P. T. Nguyen



Duy Phuc Nguyen



Iulia C. Niculescu



Neil Leonard Padgett



James Pond



Ian Pietro Pasquali



Dorothy Plawinski



Siyi Qiu



Xin Yu Qiu



Haroon Qureshi



Eric Reppo



Andres M. Rios



Nigel Rodrigues



Bartek Roszak



Edwin Roy



Surit Roy



Waqas Shafique



Priyanka Shahani



Shahriar Shahramian



Sasitharan  
Shanmugarajah



Elie N. Sibony



Rehan A. Siddiqui



Yoona Christine Son



Tokul Soundararajan



Kirk Andrew Stewart



Alan Tam



Denitza V. Tchoevska



Pouria Tehrani



Sankirthan Thayaparan



Tsz Kin Tom Tsui



James Vlasblom



Hung-Ju Wei



Panl Widjojo



Jonathan A. Winter



Steven M Wolfman

"This is the end of four years of joy and tears." - Stephen Chi Yan Wong

# Computer Engineering Graduates

## AGENCIES

<i>Alan C. L. Wong</i>	<i>Kwok C. Alan Wong</i>	<i>Michael Wong</i>	<i>Michael Wong</i>	<i>Rusty Wong</i>	<i>Yin Shing Wong</i>
<i>Aonan Yang</i>	<i>Clarence Yeung</i>	<i>Vimalan Yogaratnam</i>	<i>Jason P. Yu</i>	<i>Miklos Andras</i>	<i>Edwin Avecillas</i>
<i>Loren Michael Bale</i>	<i>Jan Bouse</i>	<i>Glen S. Bryan</i>	<i>Hank Chang</i>	<i>Johnson Cheng</i>	<i>Abdur Rab Choudhury</i>
<i>Abdus S. Choudhury</i>	<i>Maciej Dajnowiec</i>	<i>Alexander H. M. Fung</i>	<i>Lap Chiu Fung</i>	<i>Jeffrey Ho</i>	<i>Ken Pei-Ken Hsu</i>
<i>Hao Hu</i>	<i>Pin-Chin P. Huang</i>	<i>Thomas Tan Huynh</i>	<i>David Roderick Jack</i>	<i>Nirmal K. N. Jain</i>	<i>Taimur Javed</i>
<i>Vaanee Kugarajah</i>	<i>Jasper Li</i>	<i>Juan Lin</i>	<i>Igor Manassypov</i>	<i>Chun Yin Ngai</i>	<i>Kyle Tron Nguyen</i>
<i>Bahman Parizadeh</i>	<i>Pirouz Pourdowlat</i>	<i>Alexander Sacson</i>	<i>Dawit Samuel</i>	<i>Rohan S. Sehgal</i>	<i>S. Jalal Shah</i>
<i>Nemanja Stefanovic</i>	<i>Alan H. Szeto</i>	<i>Howard H. T. Tam</i>	<i>Raymond S. Y. Tong</i>	<i>Ronnie Raju Varghese</i>	<i>Djordje Vranjesevic</i>
<i>Nuo Norman Wang</i>	<i>Yong Wang</i>	<i>Everett T. Yip</i>			

## Autographs

# Electrical & Computer Engineering Dinner Dance



"On the road to happiness, the crazy man drives." - Andrew McIntosh

# Electrical and Computer Engineering Dinner Dance

AGENCIES  
QUERIERS



"After four long painful years that day finally comes! " - Rongji Situ

# Engineering Science Department Chair

In behalf of all the academic and administrative staff associated with the Division of Engineering Science, I would like to offer my congratulations to the graduating class of 0T3. From the first nanoengineering Option graduate to the last Environmental Option graduate, you should all be proud of having successfully completed a very challenging program. I hope your years at University of Toronto have provided you with lifelong friendships, confidence-building experiences that you can draw on in the future, excellent academic preparation, and the mentality and ambition of continually striving for excellence. These are things that will serve you well no matter where your plans take you.

You are graduating at an exciting time in history. Technology is advancing at such a phenomenal pace that it is impossible to predict what the future will hold. You will likely witness several technological revolutions in your lifetime. We have done our very best to provide you with a rigorous and fundamental education that prepares you to be contributors and leaders in the coming technological advances.

You are all privileged individuals. You have been blessed with the gift of intelligence, and you have chosen to subject that intelligence to the challenges of an intense educational experience. Coupled with your intellect, many of you have also shown impressive leadership qualities. You have been given many gifts, and now much will be expected of you. As you go forth into the world, you join an illustrious community of Engineering Science alumni who have used their gifts to contribute to society in a myriad of ways. I urge each of you to use your gifts well, and to find your own way of contributing to society.

It has been a distinct privilege for me to have played a role in your education. I am extremely proud of all of your accomplishments, and I expect great things from all of you. Congratulations!

*Yu-Ling Cheng*



## Secrets:

*Engineering Science was founded in 1934 as Engineering Physics by engineering professors T.R. Loudon, C.R. Young, and Bobby Angus, and physics professors E.F. Burton and Lachlan Gilchrist. The program was re-named Engineering Science in 1962. Would you believe that back in 1934, it took only 10 days for the inter-Faculty founders of this program to plan and put it in place!??*

## Engineering Science Club

2002-2003 has been an exciting and eventful year for the Eng Sci Club! It all started with 'the great move' from Haultain to our new home in the Bahen Centre; a long and arduous process fraught with delays. Yet, once we had everything up and running things went swimmingly! The new common room is fun and funky (TV, bright marshmallow stools, and foosball!) and almost always full!

Rich and his little helpers got the smoker scene really swinging, spicing up the common room almost monthly with decorations, free pizza and movies! The "Eng Scis In ..." series made a return, starting with a well-attended evening about research and academia. Mo and his dinner dance committee brought us Viva! an unforgettable and classy night. As the lights came up over the final dance, nobody wanted to leave, even though the shuttle buses back to campus were waiting patiently ...oh, and did I mention the open bar?!,

Then, in the middle of exams, a burst pipe created a major setback in the form of a flooded common room and computer lab! As the Eng Sci Club wrung the water out of the upholstery, things really revved up into high gear with the chariot race, paraphernalia, athletics nites (better late than never!), chess and foosball tournaments, Nocturne, Coffee House, and much, much more!

It's been a crazy ride... To the graduating class of 0T3 we thank you for all the memories and wish you the best as you move on! To those who are remaining, we trust that you will continue to make Eng Sci truly unique and unforgettable experience!

*Christina Holmes*

## Executive Members

Chair  
Christina Holmes

Vice Chair  
Richard Yu

Treasurer  
Philip Egberts

Secretary  
Jonathan Hillel

### First Year Reps.

Adrienne Ng  
Andrew Binkley  
Mabel Lai  
Bea Sze

Second Year Reps.  
Luka Matutinovic  
Jennifer Pollock  
Nazim Hussain  
Mike Galle

### Third Year Reps.

Vanja Petrovic  
Mohammad Hamidian  
Ian Hossein  
Ajay Krishnan  
David de Koning  
Roy Raanani  
Kristian Dixon  
Sarah Ali

### Fourth Year Reps.

Chetan Raina  
Simar Akhtar  
Jason Seagram  
Chris Feng  
Aili Kuutan  
Mike Lepard  
Stephanie Lee  
Jay Weymouth  
Nir Rotenberg



*Nickname: Queen of the Nerds*

## Secrets:

*Eng Scis are the craziest, most spirited, most sleep-deprived, and supportive bunch on campus! ...Wait, that's not a secret, that's a boast!*

*You'll never get us to admit it, but we really are "the geeks, among, geeks, among geeks"!*

"You'll never get us to admit it, but we really are "the geeks, among, geeks, among geeks"!" - Christina Holmes



## Engineering Science Club Executives

AGENCIES



NY Exec.

## Engineering Science Club Activities



"You are graduating at an exciting time in history." - Yu-Ling Cheng

## 2nd & 3rd Year Engineering Science Students



NY 0T5



NY 0T4

"It's been a crazy ride..." - Christina Holmes

# Engineering Science Graduates



**Simar Akhtar**  
dudemar

Trying is the first step towards failure.—Homer Simpson  
I'm done trying.



**Bashar Dominic Aziz**  
Mastermold

It has been a fun 4 years of skule. PEY was an awesome experience in California. I would like to thank my Friends, my Family and The Team for their help and support during this time.



**Lei Cai**

"If there's a way U could B all U wan 2 B, would you complain that it cam easy?" Thanx 2 all who broug laugher, sanity, food & cards 2 get through rough times & burn pancakes. "Part of success is 2 eat w U like & let the food fight it out insid



Thanks to all my friends who supported me through these 5 impossible years. If we can get through Eng Sci, we can get through anything! Congratulations to everybody!

**Amy Chan**



**Charlotte Chang**  
char, grandma, frostie

The end is in sight! What a ride: sleepless programming nights, late Chinatown dinners, 'the list', bridge building, design project (clearing out the room), dragonboat, ice-blockhole, enlightening discussions. Thanks to my family and all my friends who have been there to take part in the journey. I've met many wonderful people along the way and I hope they know how much they've brightened my life. Till we meet again.



**Yan Chen**  
Birdy

~whew~ Finally graduating! Too hap to think of anything to say right now haha... hmm... Keep it short. Thanks all my bridge partners and Aci buddies!!! I will remember all t precious moments we had togeth Yeah! We made it after all. Cheers!



**Peter Cheng**

Finally it's over. A lot of thanks to my friends and family. I couldn't have made it without your support.



**Aaron Cheung**

Well, it has been fun! Good bye Midterms and Exams! Work here I come! It has been a great 4+1 years in skule. There's a lot of memories I will treasure and some that I would rather "forget". But my thanks to all my fellow classmates as they were most supportive. Well, see you around!



**Jimmy Chui**

when i grow up, i'm going to bovin university!



**Denis Daly**  
doodles, tenacious d

I guess Eng Sci's aren't as smart as they used to be! Thanks Mom and Dad! All the best to Nat, Mike and the rest of the crew. The best has yet to come - See ya! :)



**MingYao Ding**  
Ming

Thanks to all of the great people I've met in these past 4 years. To those who soared with me till the end, to those who folded their wings and to all those we've lost along the way. Best of luck! Looking forward to when our paths cross once again. Though I Fly Through the Valley of Death I Shall Fear No Evil For I am at 80,000 Feet and Climbing



**Tilak Dutta**

n-sci sucks.



**Marcus Extavour**  
Extavour; Marcus

\_O  
'K\_  
(\_)



**Rebecca Feldman**

Teaching should be such that what is offered is perceived as a valuable gift and not as a hard duty—Albert Einstein It's difficult to decided if I learned more in class or out of it Professor, classmate, friend, or antagonist - all played the role of 'teacher' whether they meant to or not Learn from yesterday, live for today, hope for tomorrow. The important thing is to not stop questioning. —Albert Einstein



**Rishi Gupta**

4 years of Skule later, it looks like I may get out alive. Though I will never, ever be the same again. Eng Sci has twisted and warped my innocent mind. I can no longer look at a truss the same way again. Demented Jacobians and Fourier Transforms haunt my dreams. Well, I'd like to thank my friends, and (most of) my profs. It's been fun.



**Lauren Hastie**

Thank you to Eng Sci, for better or worse you've enriched my life. I can use the Navier-Stokes equations. Truss bridges give me nightmares. "Convection" ovens sounds too complicated. I now talk to computers (and expect a reply) Power tools sounds like romantic gifts. My thesis bacteria are my closest friends. 'Sleep deprivation', 'all nighter', 'last minute' and 'the bell curve' are now phrases I truly understand. Thanks Eng Sci. I will never forget you.



**Christina Holmes**  
that loud and crazy girl

4 years and so many memories: Eng Sci Club, 3 common rooms, drunken bridge testing, design all-nighters, transport problem sets, never-ending labs, dying cells, and through it all the common room crowd. To all the wonderful people who helped get me to the iron ring, all my luv and thanks! We survived Eng Sci, everything else should be a picnic!



**Eunji Ellen Kang**

number of red cross marks on the test X nights stayed up studying X hours in the computer lab X number of parties you missed = price you pay for being engsci

BUT it's worth it.

# Engineering Science Graduates

Thank you to my parents and my best friend, Maria for their love, patience and support during these past few years.

Vicky Kapetanos



If you really want something in life you have to work for it. Now quiet, they're about to announce the lottery numbers!  
—Homer Simpson

Aili Kuutan  
smiley aili

Life is a long lesson in humility  
—J.M. Barrie  
This message was written in much the same way as I spent my undergrad years:  
1) I procrastinated and left it until the last possible moment;  
2) I would write something witty and insightful, but I have to go study now.  
Happy journeys, all!  
Everything happens to everybody sooner or later if there is time enough.  
—George Bernard Shaw

Yoo-Jeong Agatha Lee

Cheers to all nerds and geeks in Eng Sci, whom I laughed at for four years...  
Cheers to all Engineers, the crazy ones mainly, who made skule fun...  
Cheers to all Engineer athletes, whom I salute...  
and finally, cheers to engineering girls, for choosing engineering! Cheers!

Foad Mashayekhi

Crazy, Craziest, D'man

Thanks to my family for their loving support. Many thanks to my friends as well.  
And, of course, many thanks to John, Paul, George and Ringo Done?  
Done later,  
Trevor

Trevor Mouteiro

Congrats to my fellow Enviro's. Best wishes for the future.

Michael Reid

Thank you to the professors who involved me in their teaching and inspired me by their research. Thank you to my friends who helped me through my struggles, and thank you to my family who supported me. *veni, didici, et nunc ingeniator sum. labora et labora.* Engineering Science.

Daniel David Kekez



"Served my 4 yrs + 1 yr parole. First midterm shock. Zero self-esteem. Super bench day. Late night design munchies. POWER in Three! Two! One! ARRRGH! What? 3NT with 7 pts?! Swatting balls in a box as a Celestial being. Out of the cocoon, into the world. Good luck, I trust, and farewell."

Rex Lam

"We've been dealt a good hand, its our job in life to play the cards right." It's been long and hard but at the end of the day, I'd do it again in a heart beat and hope I had just as much fun and met just as many cool people.

Michael Lepard

Two the I have learnt in EngSci Comp:  
"A computer lets you make more mistakes faster than any invention in human history - with the possible exceptions of handguns and tequila."  
"Hardware is the part of a computer that can be kicked"

Elia Mazzawi

For the pains made me stronger, and the laughers made me happier, remembering it all will make me wiser... Thanks to my folks for setting me free, and to my posse for being there everyday. You've all made me grow so much, yet I have a whole lot more growing to do...

Alan Qian

"Time is what we want most, but alas, what we use worst." — William Penn

"It takes all the running you can do to keep in the same place" — Lewis Carroll

Seven years later... I finally made it!

"The reward of a thing well done, is to have it Done" — Ralph W Emerson

Jason M J Seagram  
seagie



Karl Knechtel

You are in a maze of problem sets and midterms, all alike. A dim light shines in from the east. > GET DIPLOMA Taken > LOOK WEST To the west lies grad school. You would surely perish there > LOOK EAST A sign over the archway reads "Welcome to the real world!" > E



Ann On-Yee Lau  
PSYDUCK

4 Yrs of N Sci. 1 Yr of PEY. Finally, I'm outta here! Thx to all my friends & family 4 their support & love. To the Cali PEY crew. It was fun 'til it lasted. Love you always, MC-poke poke



Paul Michael Mandatori

Finally we've reached the end, only to look forward to a new beginning. I want to thank my entire family for their endless support. Thanks to EL, RM, DB, JM and especially SS. Ti amo SS. Thanks to all my friends who have been there through thick and thin. I wish you all the best of luck in your future endeavours



Alvin Mok  
Mr. President

EngSci is a pretty decent program... But it is REALLY a lot of work... SEGMENTATION FAULT. CORE DUMP (finally gone crazy from the work...) SEGMENTATION FAULT CORE DUMP SEGMENTATION FAULT CORE DUMP SEGMENTATION FAULT CORE DUMP SEGMENTATION FAULT CORE DUMP SEGMENTATION FAULT. CORE DUMP (why can't UNIX give me a better indication of where I screwed up?)



Chetan Raina

SKULE memories: Hi-C tower, Hawaii Time, WORK, picture lists, poker, the futon, GRIND, the unibot, innis v-ball, STRESS, Duke of York, our/my/your house, one wild and crazy ride. Thanks to everyone who helped get me through it alive. PP SK EF SD AC BL TJ CC JP TT TF JC Remember: Skule A Skule A, They've got talent, that's OK, Skule B Skule B, We're going to FUCK YOU UP!



Sepehr Seyed  
Sep

Finally, I get my iron ring in reward for surviving the sleepless nights EngSci put me through. These 4 years have been truly very interesting. Learned a lot of interesting things, and a lot of useless things. Met a lot of good friends, and as well as some freaks. Thanks to all who made it fun and interesting throughout the years. Finally done Skule, oh boy! Does it ever feel good?

# Engineering Science Graduates

## AGENCIES



**Ketan Shah**

I would like to thank my family. My dad and mom for pushing me to succeed and always being there when I needed them. My brother for always telling me to take a break from school and enjoy a movie or some TV. I would like to thank my friends for being there and helping me enjoy the university experience. Remember, always work hard and enjoy the journey of life.



**Soroor Sharifpoor**

It's been an experience that I'll never forget. Thank you to my family for supporting me through the years. Thanks to my friends who have made these years memorable. Thanks to MM, SS and PM (my Jauna) for always putting a smile on my face. I want to wish everyone the best of luck in the future.



**Greg Tkaczuk**

The past four years of school have been great - although at times it was hard to convince myself of that! A big thank you to my family and friends for understanding and supporting me when I disappeared into my Eng Sci books. Sometimes integrating really is more important than food. Finally, thank The Team for everything and anything.



**Vicky Tsang**

A special thanks to my family and friends who've supported me along the way.  
"I can do everything through Him who gives me strength." Phil 4:13



**David Varodayan**

Hello.



**Neil Wadehra**

I would like to thank my family, friends, my fans, The Core, The Foundation, The Circle, The Loop, The Brothers, The Team... and The R Team (just kidding). The Team always has been, and always will be there. To The Team I say this: Pilot Glukutae, Dunasteia. One day Bas will understand... Good night, good luck, and good riddance!



**Jonathan Warkentin**

It's been fun. But in the words of Monty Python, "...and now for something completely different."



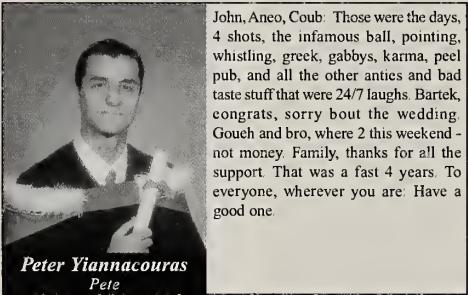
**Elaine Wong**

"Friendship makes prosperity more shining and lessens adversity by dividing and sharing it" -Marcus Tullius Cicero



**Bonnie S. K. Yam**

I'd like to take this opportunity to thank everyone for all the great time at U of T. I wish you all best of luck in the future.



**Peter Yiannacouras**

John, Aneo, Coub: Those were the days, 4 shots, the infamous ball, pointing, whistling, greek, gabys, karma, peel pub, and all the other antics and bad taste stuff that were 24/7 laughs. Bartek, congrats, sorry bout the wedding. Goueh and bro, where 2 this weekend - not money. Family, thanks for all the support. That was a fast 4 years. To everyone, wherever you are: Have a good one.



**Barzin Bahardoust**



**Lucas Julian Cescon**



**Betty Yuk Kit Chan**



**Linda Karming Cha**



**David Sherwood Deak**



**Mark Dearborn**



**Kristine Domingue**



**Benjamin S. Elkin**



**Zhi Shun Chris Feng**



**Matthew R. Ferraro**



**Thomas Fitzsimmons**



**Sharou Goldberg**



**Charmaine Gousalves**



**Margaret Joan Grant**



**David Ha**



**Aneal Hartal**

"Good night, good luck, and good riddance!" - Neil Wadehra

# Engineering Science Graduates



Jordan Hesse



Marion Alison Hill



Taylor L. W. Hillier



Ignatius Ip



Taras Juzkiw



Simon Sai-Ming Lam



Alan Pak Tao Lau



Heun Tae Lee



Stephanie H. Y. Lee



Angela Leung



Sunny S. N. Leung



Brian Kay Li



Jessica Tsai-Yin Liao



Ryan Michael Lim



Vicki Wai-Shum Lui



Julie MacDonald



Ryan Paul Martens



Giuseppe N. Mattoscio



Sam Mavandadi



Jonathan McIntosh



Kenneth J. McLaren



John Moores



Kaveh Nateghi Fard



Kathryn E. Nikkanen



Ian Parrag



Vikram Ravindran



Robert D. Redmond



Philip A. Scrutton



Robert Signer



Timothy Vanderhoek



Wilson W. F. Weng



Alfred J. Weymouth



Justin C. Allport



Trevor Andrade



Eric E. Barnhorst



Michael Eric Bichan

"Sometimes integrating really is more important than food." - Greg Tkaczyk

## **Engineering Science Graduates**

*Anthony B. Y. Chan*

*Wen-Cheng Chen*

*Jeremy Isaac Cohen*

*Jay Michael Dignan*

*Terence L. T. Fung*

*Glenn P. Hauck*

*Wesley Bryan Hodges*

*Alexander Ince-Cushman*

*Anton Izraelian*

*Christopher Krueger*

*Daniel Lee*

*Keith R. Leong*

*Laurent A. D. Lessard*

*Timothy Little*

*Daniel Owen Mamis*

*Andre L. Mercanzini*

*David I. M. Milton*

*William Richardson-Litt*

*Jean-Marc Robin*

*Nir Rotenberg*

*Seyed S.  
Sadeghi Hosseini*

*David H. Sutherland*

*Johnny Virk*

## *Autographs*

# Engineering Science Dinner Dance

SPECIAL PROJECTS EVENTS

MISSIONS ALLIANCES



## Engineering Science Formal Dinner-Dance

**date:** Friday, November 3, 2002  
**place:** The Julius Roman Empire Banquet Hall  
2201 Finch Avenue West, Unit 32  
(416) 744-2500  
**time:** Cocktail reception at 7:00pm  
Dinner served at 7:45pm  
**register:** [www.ectutoronto.ca/~engclub](http://www.ectutoronto.ca/~engclub)

*Viva*



"Cheers to all nerds and geeks in Eng Sci" - Foad Mashayekhi

# Engineering Science Dinner Dance

AGENCIES



**JULIUS**  
  
ROMAN EMPIRE  
BANQUET HALL



"Remember, always work hard and enjoy the journey of life." - Ketan Shah

# **Materials Science and Engineering Department Chair**

The Faculty and Staff of Materials Science and Engineering congratulate our Class of 0T3. Your graduating class is our largest ever and you have the distinct honour of being a member of one of the largest materials engineering graduating classes in North America! Throughout your years as an undergraduate student, you will have noticed that our program has been steadily growing. Our undergraduate program has been restructured in a major way to better meet the needs of Canada's materials industries. Be assured that you are prepared for an exciting career in industry or to continue your studies at the graduate level. You are well equipped to meet the many engineering challenges in our future.

Wherever your post graduate careers take you, please keep in contact with our office to let us know how you are doing and to share with us your successes so we can share with future students who will follow you.

The contacts and friendships you made during your undergraduate years will remain with you throughout your life. Ensure that the skills and knowledge gained here also remain with you as you continue to develop new thoughts and ideas.

The Department of Materials Science and Engineering is one of the top ranked departments in North America. The University of Toronto now has the largest and most diverse Materials Engineering program in North America and you are distinguished to have graduated from this program. We look to you to serve as ambassadors for the Department, faculty and University.

Class of 0T3 we salute you and wish you every success in your new careers.

*Doug D. Perovic*



## **Material Science and Engineering Club**

The End-Of-Term FREE BBQ EXTRAVAGANZA (April 2002) kicked off a truly awesome year for the MSE CLUB. Three bags charcoal, 2 gallons lighter fluid, and one sprained wrist (on Eugene's writing arm, just before his last exam - way to take care for the team bro!) yielded, after 45 mins, a few small, merrily charred hunks of animal flesh. And a good time was had by all (mostly because of free BEvERages) except for the vegetarians, who could only eat buns.

Summer "Vacation" saw the reinstatement of the pop machine to its former glorious status of Supreme Drink Dispenser - thanks Marko and especially Dave for your toils! This was good, because after we MSEs made all our little undergraduate FRY like BACON during orientation they needed a few cold ones.

PART: To all the moron Third Years who somehow think the Common Room is the staging ground for a WWF match, double DART to the dork who jacked the phone, and the ones who play hardball with the chess pieces - I guess the game frustrates you guys?

AUREL: To Massimo and all other Nameless Ones who tirelessly battle the pigs who lay siege to the CR.

On the lighter side, the MSE CLUB proudly presented the BEST-EVER MSE DINNER DANCE! We are pleased to announce that history did NOT repeat itself, and the DINNER DANCE, held in the beautiful and capacious ballrooms of the Holiday Inn on King, was a resounding, unprecedented success! Special accolades to BETTY LIN, the organizing hurricane behind this event. Many thanks to the rest of the Club Exec and all others (Travis, Roy, Sue, Damali) who helped organize and run things, as well as to Teresa, Louisa, Fanny, and the many professors who supported us with presence and pocketbook.

In fashion news, the MSE CLUB recently held a T-shirt design competition, won by Gagan with her inventive Superman: Who Do You Think MADE the Man of Steel? slogan and logo. MSE now boasts by far the hippest Tees in Engineering (admittedly not much of a feat, considering all the ECEs have been wearing the same shirt for years, and the rest of the population doesn't seem to have ANY club pride at all).

Because the Yearbook Staff expect these things in December, I cannot here relate to you the marvellous tale of how MSE won, with blood, sweat, and tears, this year's Chariot Race. (That is, using whatever meager amount of blood, sweat, and tears leftover to us after the Faculty's last fell swoop).

Happily, we are all only 13 weeks to the end of the semester, or, if you're fourth year, !!!!GRADUATION!!! 13 weeks left to plan smokers, play CR ping pong, sleep through engsoc meetings, hassle Warcraft gamers in the satellite lab, and party it up at Cannonball and Gradball.

Guys, it's been a blast. So long, and thanks (Damali) for all the fish.



**Althea Barthos, 57 days to Iron Ring  
El Presidente, MSE CLUB, 2002-2003**



*MSE Club Exec.*

"Three bags charcoal, 2 gallons lighter fluid, and one sprained wrist yielded a few hunks of animal flesh." - Althea Barthos

## 2nd & 3rd Year Materials Science Engineering Students

AGENCIES QUARTERS



MSE 0T5



MSE 0T4

# Material Science Engineering Graduates



"It is always simple to fall, there are an infinity of angles at which one falls, only one at which one stands" - GKC

*Althea Barthos*



Wanna thank my MoM and DaD for being so loving and supportive. University years passed by so quickly - time well spent. Now, the real 'puma' with my typical tone. I spend last 4 f\*cking years in university and worked hard for it so I better get a job that I really like. Cool down! Okay. Also, like to thank my friends Mad-Queen of Pakistan, Mrs. Ivana-Queen of Spain, Johnny boy-Arab king and Haran-long distance King.

*Amit Jaitly  
Puma*



V3 I rtrnd & swng th rcs nt th swift tht bat th strng nthr yt brd th wse nr yr richs mn o undrstndng nr yr fvr mn o skl bt vetry th prsnt! Mbr ths: Sm prsh, otrs rm, bt f yur ws engh tdrstd tht trth ndrs, ul b trblrd by nthr. 1tm acndt, 2tm cndnc, 3tm ptn. TXs VG AJ JK ML, clndt wr ur clp. Mny wr csndrd fw crfly but n th nd thr en b nly 1. Mariana PXH

*haran Manoharan  
Haran*



"No man of woman born, coward or brave, can shun his destiny" - Homer. Here's to the 5 long years of joy, pain, laughs, tears, all nighters, PEY...but most importantly to ALL the memories. Thanks to friends and family... for your love, support, and helping me find my path. (the gang, JH, RH, BJ)

*Susan Oh*



I paid \$30000 and I soul for an iron ring...can i get a refund? Now seriously folks, it wasn't ALL bad! To the girls AM, NS, GM, & PC, you'll always have a special place in my heart. To the boys who sang my name and put stickers in my hair, this is for you: "ARGH!" To everyone in MSE0T3 & MSE0T3 + PEY...YOU GUYS KICK ASS!!! Is anyone else stunned that I actually graduated??

*Gagandeep Sodhi*



*Peter David Boyce*



*Raul Chamagua*



*Mark Depasquale*

Leaving soon, need to say some philosophieal crap or maybe make fun of friends. I want to thank my wonderful family. Actually, I just want to have some cheesecake with low fat cheese. I don't mind pizza with crust anymore. Best of luck to Pumit, King of Celestica, Farina, Queen of Shoppers, Wancesa, Zara Queen, and Haran, "hey, it's biodegradable and cheap". To MSE 0T3, speak to me! Hola to Matt A., Ivan, and Sharmila.

*John El-Khazen  
Big John/Johnny Boy*



*Hans C. Fischer*



*Roy Hwang  
Roy, roy-boy, yo mamma*

Writing things down without an equation is hard now... Things I'll remember most: common room, Kensington, in WB, sleep disorders, coffee addictions and crazy trips. Thanks to my parents, who've worked so hard so that I could have this opportunity, my sis, for guidance and inspiration, and to my friends, who've made it through this with me



I am finally graduating!!! I look back at all the hardships and suffering. Nevertheless, MY desire, dedication, and drive have made ME a stronger, better person. However, I could not do this without the help of my MOM, DAD, DANIEL, MARTIN, and MICHELLE. Thank you for your love, support, understand, and believing in ME. Thank you to MSE 0T3, especially MARK, CECILIA, EUNSUP, PHONG, and BETTY. YOU ALL will be forever in MY heart.

*Sean Lee-Ying*



Thanks and love to my parents, who've supported me from the beginning till end, and whom I hope will continue to do so through my time in unemployment. Some things I'll remember most about U of T: all-night cramming at Kelly, Mexico trips, common room, 3-beer race, peel windows, starcraft, the crazy diet and slurpees. Most importantly I want to thank my friends, who dragged me through it, and last but not least; to Ctrl-c.

*Jonathan Mills  
Slacker*



*Betty Lin*

Some ppl come into our Lives and quietly go. Others stay and leave footprints that last forEver. Special thanks to mUm, dad, al, hairy, linda & \*CH\* for believing in me & instilling faith in me. To my friends who stood by me thRt this journey & made me Laugh along the way: the 'good times' must go on. MSE0T3. It was stressful, but it was a fun ride... kinda {;-) cuteyE }, best of luck in the future.

The most important thing I have learnt here is: Don't just live by the book, have fun while you're going insane! I would like to thank GS, NS, GM and PC for the past four years, without you guys the fun would have definitely stopped! I would especially like to thank my family, AH and CD for putting up with my wrath, I owe my sanity to you hopefully your time and money were worth it!

To all the knowledge, the experience, and the late nighters that could have been avoided, to the lack of sleep, all the trips, jokes, and good times; thank you to my friends that went through it with me. The video games, adventures, and pulling through with assignments in the clutch.. my memories of university are those I have with you. Finally to my parents, you were my strength and guidance... I love you.

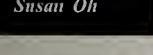


*Mihnea Popovici  
Popo*



Well, I'm finally graduating. It's about time! These last few years have been pretty crazy. I wouldn't have gotten through it without the support from my family and the friends I've made over the past few years. Thanks for being there for me and I'm glad I met all of you in MSE. We've had some good times I'll cherish forever.

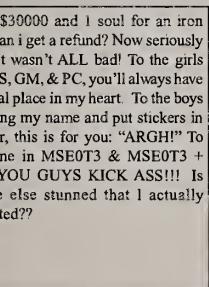
*Anita Patel*



*Michel Audet*



*Christine K. Booth*



*Matthew P. Gallagher*

# Material Science Engineering Graduates



Lili Goncalves



Vanessa M. D. Guha



Phoung Ha



Eun Sup Kaug



Eugene Ki-Hyun Kim



Aaron David Klejin



Monica Kovacs



Yae Il Albert Kwou



Faran Latafat



Paul Maucini



Shauna Pedler-Darrell



Casey Sim



Damali Melissa Slowly



Hungsun Wei



Tamara Lynn Wilkins



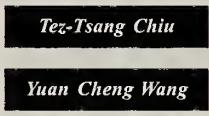
Feras Alhadrab



Maria C. Calderon



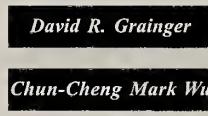
Lin Chun Ken Chieh



Tez-Tsang Chiu



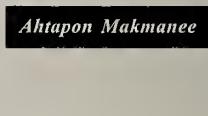
Shih Chieh Chuang



David R. Grainger



Richard Kim



Ahtapon Makmanee



Marko Milojevic



Yuan Cheng Wang



Patrick Woo



Chun-Cheng Mark Wu



Benjamin Yu

## Autographs

## Materials Science Engineering Dinner Dance



"I just want to have some cheesecake with low fat cheese." - John El-Khazen

# Mechanical & Industrial Engineering Department Chair

On behalf of the academic staff and support staff as well as the continuing students who are associated with the Department of Mechanical and Industrial Engineering, congratulations to the graduating class of 2003. You have completed a very demanding program of study which we are sure will serve you well in your future careers, and we are proud to have made some small but meaningful contribution to your career.

Although most of you will give a sigh of relief that your formal undergraduate education is finally behind you, it is likely that many of you will look back on your days as a student and think of them as the "good old days". We hope that you will keep in touch with us and with your classmates in the spirit of Skule. We also hope that you will talk favourably about the program from which you have graduated and that you will encourage bright young men and women to follow in your footsteps. Our alumni are our most valuable asset, and we hope that you will represent us well wherever your career takes you.

The Department of Mechanical and Industrial Engineering is responsible for delivering two excellent undergraduate programs: Mechanical Engineering and Industrial Engineering. Each of these programs has been well served by the Mechanical Club and the Industrial Club, respectively, and the Department has also derived significant benefits from the Clubs. Many thanks to those of you who gave unselfishly of your time to support the activities of the two Clubs. Thanks also to those of you in the Mechanical Engineering Program and the Industrial Engineering Program who served on the Student-Staff Council during your years of study with us. The Student-Staff Council continues to be a very important forum for communication with the student body and for addressing issues that directly affect the students.

We express our sincere congratulations to the Class of 2003. We hope that you are proud to be a graduate of one of our programs. I can assure you that we are very proud of you.

*J.S. Wallace*



Nickname: Jim

## Industrial Engineering Club

With the right group of people, great things are possible!! I would first like to thank my fellow Indy Club executive, who worked hard to make this year fantastic. The Indy Club was busy this year, as we organized several successful events. The annual MIE Dinner Dance was perhaps the best Dinner Dance EVER (it's funny what open bar does to an event). Thanks to the Mech Club for co-organizing a smashing good time. The talent night in February was a huge success, the Recent Alumni Smoker was fun for both the alumni and the students, and the movie nights, BBQs, and foosball tournaments were well attended. The common room is slowly being fixed, and next year it will look amazing.

I hope next year's co-chairs have as much fun as we did. GO INDY!!

*Angelo Gentile & Alexander D'Souza*



### Industrial Engineering Club Executive:

**Angelo Gentile & Alexander D'Souza - Co-Chairs**

**Bahareh Vaez - Vice-Chair**

**Pavel Rahman - Treasurer**

**Angela Ko - Secretary**

**Amy Leung - 4<sup>th</sup> Year Representative**

**Gilbert Lee - 3<sup>rd</sup> Year Representative**

**Lisa Min - 2<sup>nd</sup> Year Representative**



INDY Club

"I can assure you that we are very proud of you." - J.S Wallace

## Mechanical Engineering Club

Once again, the Mech Club enjoyed a successful school year. This year set a precedent for teamwork, which allowed the Club to accomplish several significant tasks. As always, the MIE Dinner & Dance was a great success, thanks in part to the generous – and humorous – contribution of Professor Ben Mrad and his extraordinary navigational skills. The addition of a Street Fighter II arcade to the Mech Common Room offered a much-needed respite from class and also took in a little extra cash.

Furthermore, the students involved with the Mech Club helped the department make the transition to the Bahen Centre smooth and relatively trouble-free.

Despite all the work and busy schedules everyone found time to relax and have fun. As always, the second year students had ample time to party and drink, the third year students quickly realized that second year seems like a distant utopia, and fourth year students still haven't learned that procrastination is not a good thing.

The Mech Club and the Class of 2002 2003 would like to thank all the students and professors who made our time at Skule a memorable and rewarding experience. Good luck to next year's class!



*The Mech Club*



*MECH Club Exec.*

## 2nd Year Mechanical & Industrial Engineering Students



*MECH & INDY OTS*

"The annual MIE Dinner Dance was perhaps the best Dinner Dance EVER" - Angelo Genitle & Alexaner D'Souza

## 3rd Year Mechanical & Industrial Engineering Students

AGENCIES  
QUARTERS



MECH 0T4



INDY 0T4

"...the Mech Common Room offered a much-needed respite from class..." - Mech Club

# Mechanical Engineering Graduates



I would like to thank Dad, Mom, Rog, Jackie, and Uncle Boudy for supporting me throughout these 4 years of hell...I mean engineering. I wouldn't be here if it wasn't for guys to help get through the tough times. TD thanks for everything..u da man. vball for life!! SJ, we're finally done. No more skule!! Thank God. Best wishes to MV, CR, AN, MC, JA, RS, VS, AE, and MN. Active Surplus anyone? See u later.

**Peter-Elias Alouche**  
Petey, Pete, Dr. Pete



To see a world in a grain of sand  
And a heaven in a wild flower,  
Hold infinity in the palm of your hand  
And eternity in an hour. ~William Blake

**Iana Aranda**  
Yanners, Yans



Thanks to RR, BD, AS, RG, FB, PS, RJP, TP, JR, TR, JA, PL, ML, AL, BH, ML, JR for keeping it simple, just like it should be. I hope the ring fits and the job pays well because there's no looking back now. Let's get outta here guys...

**Bryan Batista**  
Baby B, Batista, Bats



It's been a long walk but we're finally here. Thanks to my family(esp), to God, to GS/DL-JC-DW-CHW-BL-ACTW-MC-SB-Orig6, OT2, OT3 and to any day-to-day inspirations—pg. Find time to watch the Blue Sky, cuz it's only one course, and it's only one test—there are more to come.

**Brian Cruz Bernal**  
Bacon, Bernal



I need a vacation! Get me the hell outta here!

**Franco Bilotta**  
Jerk



Things I'll never forget: Open Bar in Eng Anal., Printing Party at 5am, Cox party, EGANVILLE, Hardhats hold 2.5L of beer, Materials Mega-Cheatsheet, LOOK, Drunken Indiscretions, Robots SUCK, bbq, WB116, shopping carts, SUDS, cottage, "whorehouse", allnights, Frisbee day, coolaid man, The PIRATES!! Thanks to the people who carried me through Algebra, Calc1&2, EngAnal, DiffEq, and Controls. ARRRGH!!!!

**Francesco Caruso**



If you are reading this you either knew me and remember me fondly or you have no idea who I am. If you don't know me why are you reading this? To all my friends, and especially Lil, I've had a wonderful 4+ years of school and fun to look back on. I can honestly say I wouldn't be here today if it wasn't for every single one of my friends.

**Andrew Chong**  
chonga



WOW, fastest 4 years EVER!!! Mechatronics ... what was I thinking??? I'll never forget: Pi-rates ARRRGHing, 4am Kinkos Gathering, Butter, Cottage Trips, John Dory's, Green Team, Stores, VPS, "Run from the Sun" Thesis, IRON RING!!! Thanks to: Parents and friends, AM, Stinker, AB, G.Commander, ESL, LH, Boss, "dx", Baldy, JM, GP, BW, DH; no way I would have made it without you guys. I can't believe it . . . "I'm an ENGINEER!!!" Best of luck OT3!!!

**Christopher Dunn**  
Tighty, Topher, Slow Horse



"This is it...the final good-bye! After four years in university I ask myself what the experience has been like? One word comes to mind: Memorable. I want to SHOUT a big thanks to my family and friends for their support through this endeavour. You inspire me...  
"Only two thing are certain: the universe and human stupidity; and I'm not certain about the universe." -Einstein"



Its been an amazing 5 years of my life.. The memories and experiences are priceless. Thanks to everybody that I met along the way.. SCH, BFC, Got Pole?, B&G, SUDS, Skule Nite, BNAD, The Mighty Skule Cannon, Xerox, and the class of Mech OT2. If only I had known what I was getting into when I was F!rosh... "I have never let my schooling get in the way of my education." - Mark Twain

**Paul Graham**



I here that being shot in the stomach is the most painful thing a person can experience. Engineering proved to be a close second.

**Logan Harris**



sucker for punishment RL 3.14159 have another donut. 211 bodetronics=inhumanity. let the subtracting begin. have a very merry coanda. boston or bust. RL I'm Doug



do(a) consider three things that you value most. b) you are t seconds from impact. c)  $t = 1 - 5 d$  what matters to you now? } while  $t \geq 0$ ; Imagine more. Thank you: Keith, JSXO, University of Auckland, Mom and Dad for getting down in 1977, Jen for your patience and helping me keep the soul alive.

**Francis Bodan Jackson**  
Xolane



A simple "thank you" to my buddies and profs who made these last four years of hard work not only bearable, but also memorable, rewarding, and filled with great laughs. Also a big thank you to my parents, brother, and sisters who were there when I needed them.

**Christian Joakim**



The end has finally come and what a journey it was. For all of you that I gotta know, its been a pleasure. You gals and guys made the journey an enjoyable one. Best of luck and make me proud. To the supermileage team, we are gonna be the best. As for package A and WD40, only in my dreams. Special shout outs to my boys Beno and Slovak for keeping me inline. Lates.

**Faisal Khan**  
Fez, Class Rep



5 years later, 30 pounds more, 10000 hairs less, \$25000 poorer, 23 all-nighters later, 15 calculators later, 40 courses after, and I still don't know how to build a frickin' bridge! My experiences at UofT have been memorable. Thanks goes out to my family, to dad for inspiration, to mom for the warm breakfasts, to the crew who stuck with me through thick and thin, to my Princess, to life! Cheers!

**Sebastian Koper**



Rise free from care before the dawn, and seek adventures – Thoreau To each of my friends: thank you for brightening my days here.

**Monica Lavers**



"SKULE near killed me! But I'm still standing. MECH friends- thanks for stressing and laughing with me. I couldn't have made it without you. INDY friends- thanks for believing in me. That meant so much. Mims- you've done more for me than you know. Thanks for everything....every single thing. In summary- I remember it all, thank you and toodles..."

**Natasha Lee Shee**  
Tash, Natty Dred, Dumbass

# Mechanical Engineering Graduates

## AGENCIES



I couldn't have done it for all these years without the (true) crew of Mech072. Whether the friendships fade or last, thank-you to everyone who has ever made me laugh - engineering wouldn't have been bearable without you. To all my friends outside of UofT, thank-you for keeping me sane and for the memories to come...

*Kari Leung*



*Peter Lewis  
dy, third world, stinky, dhalsim*

If I die lonely, truly it was because of engineering. But I did learn one important thing and that is mech eng has little to do with working on cars. I'll miss you all my friends while studying in college. Thanks for the love, moments and nicknames. And of course thanks to you Snoop, my Dogfather.



*Jeffrey McKerral*

"Thanks for com'in out!!"



Ah, Skule... 4 years of lectures, problem sets, lab reports, brutal exams, hour-long commutes on the TTC, tuition payments, waiting 30 minutes in line to pay hundreds of dollars for textbooks, no sleep, no free time, etc... I'm sure going to miss it.

*George Nastakos*



*R. James Pansino  
Pansino!*

Famous Last Words:  
 -OK Boys!!! What Can we Break Today????!  
 -Don't worry about it... we'll get it all done... eventually...  
 -The world is your oyster!!!!.....  
 Enjoy!!!  
 - Excellent!!!  
 Special thanks to the "DUDES" the "PIRATES"... it's been good fun!!!



*Brian Poou*

The past 5 years of U has past by too fast. Thanks to my family for their love and support. My sincere gratitude to all the friends that made skule that much more enjoyable. Congratulations to all the mechs.



Four years later and what a ride. Thanks to my friends, Angela and the Pi-Rates. Thanks to "Coach" and DIV 1 soccer. We came a long way from year one. Thanks to the new attitude, the green team and to Engsoc, groups 211 and 161 and of course group 4. Couldn't have done all those problem sets without you. John Rebello. Engineer signing out

*John Rebello  
Stinky Indian*



*Patrick Sikka  
Pat*

I can't believe its finally over. I could not have made it without all the "DUDES" in the back row. Now its time for me to go out and practice all that have learned.....oh God!



*Graham Sue  
suegr, steel, pupeeee*

Here's to my family for all their love and care, Here's to DL for always being there. Here's to my friends, we had a lot of fun. Here's to MEK 072/073, can you believe we're done? Here's to the professors for the exams that created so many fears. And here's to all the FROSH who have to go through what I did for 4 more years! Cheers!



"I would like to thank no one but myself, and I hate you all!"

*Ramin Tarafdar  
Mad Dog*



*Whitney Taylor  
Charlie, Captain P., Taylor*

"One of the symptoms of an approaching nervous breakdown is the belief that one's work is terribly important" ~ Bertrand Russell  
 TTFN and "thanks for the fish"!



*Steven Titus  
DC Steve*

Dave, Patty, Tash. Without you I would not have made it! Thanks for the support & laughs! Supermileage Boys, Andy, Greg. Nothing to say except that boys will be boys. Thanks guys! All My Peeps: Thanks for the memories and laughs, it's been fun. Good times, good times....  
 I leave you with this thought: "If a man hasn't discovered something that he will die for, he isn't fit to live." — Dr. Martin Luther King Jr.



There is a lot of people I WANT to thank. MS for keeping me on the right path, PG for making me fail, and KV for being the love of my life. The people I can't forget IR (Kept me sane through fourth year), LE (You were the one who brought me here) and LF & KM (You were my best drinking buddies). Here's to the BFC, LGMB, the Cannon, EAA (RF) & Skulenite!

*Christiaan Vandergrift  
Purple\_head*



*Brian White  
Hey you at the back shut up!!*

Tuition 1st year \$3600 + Cost of Alcohol 1st year \$3800 + Cost of tuition 1st year 2nd time \$5200 + Tuition 2nd year \$5500 + Tuition 3rd year \$5800 + Tuition 4th year \$6200 = Total cost Iron Ring \$30100.. Getting drunk and losing said ring in the first night PRICELESS!!



*Donna S Wong*

At what point does air become wind? Bread become toast? Lettuce become salad? 4 years = 2102400 minutes in the process of being educated and I still can't answer these questions. "We demand rigidly defined areas of doubt and uncertainty" — Douglas Adams



Best wishes to all after Skule... Would have known everyone better if I went to class.. Thanks to all who helped me graduate even though i don't want to graduate.. too early, too soon... Have a great life...

*Hor Wai Yeung*



*Michael Alarcon*



*Faiza Maqsood Ali*



*Graeme R Ashford*



*Nirmalan Balachandra*

"If I die lonely, truly it was because of engineering." - Peter Lewis

# Mechanical Engineering Graduates



Ravendra Balendra



Brian K. Boom



Son Hang Paul Chan



Jessica J. Chang



Alex C. Chen



Yvonne Cheng



Gary Chiang



Yong-Joon Choi



Sally Wei-Li Chou



Scott Christie



Stefan Cicak



Brian Michael Daunt



Tomas Dusatko



Gizelle-Claire Farag



Alan Fong



Rino Giannonardo



Benjamin M. Gossack



Patrick Ho



Hee-Kyung Rhea Hong



Seung Hyun Khan Har



Stephanie L. Joseph



Martiu Kenuo



Sung-Hyun Kim



Chin Chung Gabriel Lam



Timmy Wai Hong Lam



Andrew Takon Lau



David John Yik Fat Lau



Brian Law



Anna Lee



Faye A. H. F. Lee



Min Kyu Lee



Dao-Yut Touy Leung



Ming-Chieh Liu



Kam Lun Eric Lui



Sharlah K. Morrison



Farnaz Morshed

"Thanks for com'in out!!" - Jeffrey McKerral

# Mechanical Engineering Graduates

## AGENCIES



Vesna Nikolic



Siavash Omidi



Cory E. Paiuk



Antonio L. Papaleo



Jeremy Ya-Cheng Peng



Patricia M. Pernica



George A. Petrovic



Mark Pimentel



Jack Yue-ho Poon



Dominic D. Porco



Susan E. Redekop



Robert David Ricci



Dileepan Sivalingam



Andrij Sklierenko



Robert C. Stehlík



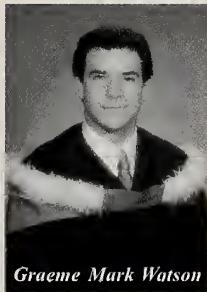
Gregorio Pak Yin Suen



Kevin Wing Kei Tang



Mahwash Tanwir



Graeme Mark Watson



Simon Andrew Watson



David H. Williams



Siu-On L. Wong



Ka Man Yenng



Mark Joo Hyun Yun



Young-Ji Byon



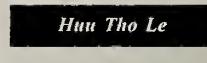
Alain Chahwan



Carlton I. Chong



David Guthrie



Huu Tho Le



Edward S. C. Lee



Richard G. Peterson



Mahmudur Rahman



Harris Rizvi



Bryan Edwin Rock



Michael James Tylee



Chong Xian Felix Yeo

## Autographs

# Industrial Engineering Graduates



Never give up Pain is weakness leaving the body Failure is a chance to begin again, more intelligently Philippians 4:10 I have learned the secret of being content in any and every situation...

Jacqueline Achoru  
Jax



"Lazy hands make a man poor, but diligent hands bring wealth." (Proverbs 10:4)

Thank you God for all! Your guidance and blessings. Thank you mom and dad for all your support, encouragement and love. To all my friends, thank you for your friendship and prayers for all these years. Lastly, to all the people who were with me to endure this four-year "ordeal", I wish you all the success in your futures!

June Au-Yeung



"It is one of the blessings of friends that you can afford to be stupid with them. —Emerson" To all the friends I've made over the past 4 years, ABCDEFGHIJKLMNOPQRSTUVWXYZ (your initials are in no particular order), thanks for all the good times. Mom, thanks for your love and your food. Cheers!

Angela Bai



My time at Skule has been filled with triumph and tragedy, Created traditions, made friends, received low grades. Here is to the people that made Skule tolerable.  
-the brotherhood of Chief Attiliators,  
-drunken table of truth at my place  
-SGT Cox's Halloween parties  
Engineering has given me the most important person in my life, My love, Jadranka, See you on the other side, So long suckers! Drago 'Puff' Banovic

Drago 'Puff' Banovic



Thank you to Skule, my friends, my families. All have played a big role in my life and I know will continue to do so. I am thankful for my experiences and for the people I have to share them with. So, here we go... "Every new beginning comes from some other beginning's end".

Amy Braus



Dad, Mom, Pam & Meg: you've seen me through everything. Your undying support has given me the strength to make it through. To my friends, we've been through the thick & the thin. Thank you for the laughs and memories! These past 4 yrs are unforgettable! Remember to follow your dreams: "do not be limited by someone else's imagination." ~ M Jamison

Caroline Chan



"If I can fly higher than an eagle, you are the wind beneath my wings" Bimz, Deb, Jo and Rosi, you guys are the angels in my life. Thank you for being there for me through the highs and the lows and for providing nothing but love, support, comfort and laughter. You guys are the best friends any girl can ask for. Mom and Dad, couldn't have made it this far without your love and support in all these years. Thank you and love you always.

Nan Chen



"I may not have gone where I intended to go, but I think I have ended up where I intended to be" D Adams  
Thanks to everyone for putting up with my antics over the last five years ~ especially all of the original '072 kids'. Special thanks to Dad, Mom, Brendan, Ian, Ann and Martin for all of your support ~ I am so lucky to have all of you.

Kathleen Clough  
KC' to some, 'Puff' to others



Do I dare Disturb the universe?  
In a minute there is time  
For decisions and revisions which a minute will reverse  
-TS Elliot

Susmita Seema De  
Sling Shot, Indy-Warrior



Graduation is slowly coming near  
Then no more final exams to fear  
Time to reminisce about everything  
The pain, the joy, all for that ring  
Thank you profs for doing so well  
For passing me, while using the bell  
To the angels, alliance, WOE, class and the crews  
Without you all, I wouldn't have made it through  
When you leave UofT, still looking to party  
Alexio is your hook up, holla if you hear me

Alexander D'souza  
Alexio, funny brown guy



These past 4 years have been a blast. So many memories, and so many memories forgotten!! From those turbulent first year days, to those drunken second year days (arrrgg), to those hard-working third year days (B&G + school), and finally to those exciting fourth year days (HRP!!)... I would like to thank all my friends, and especially my family, for helping me along the way. And special thanks to PR!! Go Indy!!

Angelo Gentile



And 'tis the end of another phase in our lives... YAY!! University rocks for the people that you meet and the great experiences. Fave memories include Trois Rivieres, Boarding with the Beginners, 15people & Alias on a laptop, McGrath in Ottawa, Snowvalley Bumps, dinners in front of the tv. I am a lucky girl to have met so many kind, smart and fun-loving people over these past 5 years. Special Mention to Mims: We'll make it — No more REB, big fights and all-nighters in the lab and to Mom & Dad: Thanks for all that you've done. Keep in touch INDY 072+PEY and good luck to the grads of

Adelaide Hung



I would like to thank my friends, relatives and especially my parents that stood by me throughout the years. I would also like to wish my classmates all the best and I hope one day all your dreams come true. Keep in touch.

Christos Kallis



A wise person once told me that my years at university would be the best time of my life. I definitely didn't agree through all the stress of skule, but the friendships I have made, the fun we have had, and the stuff I did eventually learn, prove that this wise person was right. Special thanks and love to my Mom, Dad, J, Angels, MyBrownBoyz, WuTangClan, FroshCrew&TheGang, SK

Farah Kassim  
Princess



Couldn't be Happier to be done!! Thank you to my parents for their unending support and understanding. To my sister and brother: Rasha - your advice and encouragement has been invaluable. Wiz - your lessons in perseverance will not be forgotten. (Never Ending Story) Thanks to all my friends: WuTang Clan, Brown Crew, Charlie's Angels, IS Crew & Canadian Alliance. We did it! Good Luck All.

Eva Khayat  
Ave



A wise person once said to me "In Engineering there are three things: school, social life and sleep. You can only have two." Being an Indy I think I managed the optimal mix. I hated school but I learned a lot and I loved being young and involved. Farewell to my friends. Good luck to those who came out and did things. "I'm glad I did it. Partly because I learned something of myself, mostly because I'll never have to do it again" - Mark Twain.

Erika Kiessner  
Angel of Alcohol



"In the past 5 years, caught as we were in the abyss of trying to position ourselves for better lives/careers etc., the formed friendships, challenges, and struggles have only made us stronger and proved to us how fortunate and blessed we all are! Love, with all my heart to: my compassionate God, family (esp. M), friends (esp. the girls: GL, AL, SD, MV, AH, NLS, IA and the original 072+PEY/cottage crew!)"

Loo Sean Koh  
Loos, Lucy



"You have brains in your head.  
You have feet in your shoes.  
You can steer yourself  
any direction you choose" - Dr. Seuss  
To my family, mike, loo, mims, gina, addy, sush, tash, yana, "indy072", eddy, erik, nick, and chin... thanks for being you.

Amy Leung

"My time at Skule has been filled with triumph and tragedy..." - Drago 'Puff' Banovic

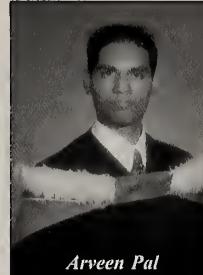
**Industrial Engineering Graduates****Gina C. Lin**

The road to Iron Ring has been long and arduous. Nonetheless, the SKULE journey was memorable and worthwhile, much due to family and people who put our relationship first. In all, I'll look back fondly at sleepless nights, dorky jokes, music shows, and my mom's ginger and honey potions. To those I love: Go on and do great and selfless things ... I know you can!

**Roger Pai**  
*Invisible Student, Frozen Pie*

Copywell is my friend, I don't really go to class I just pretend. I'll miss school and Winston's notes and other ppl's winter coats. RJ was the way to go when things were getting very low. Yukky Garden was a blast, it made mech run to the bathroom very fast. All nighters were kinda hard but I didn't want to feel like a retard.

Thanks to my parents and sister for all their support and love.

**Arveen Pal**  
*Pala*

Finally, after 5 years and over \$30K, I leaving with nothing more than exceeding hairline, depression, and iron ring that will rust around finger. I'd like to thank all the pros who made this possible. To my crew...I'll see you at the unemployment line.

**Patricia Ricci**  
*Trish*

Much more weight on my shoulders than when I first arrived - lots of memories to carry. "Where's WW?" in 1st year, nearly switched to elec in 2nd, pirate Fridays in 3rd, and finally Gradball in 4th. Can't forget C&C, FF, KJ. Thanks mom, dad, sis and anth. Many thanks to AG, my best friend through it all.

**Connor Ritchie**  
*Slick Willy, Pumpkin Escobar*

Thank you to all those who pulled me through this, there is no way I could've done it without you: GS, TD, BJD, ABx2, JR, AL, DB, AG, PR, PA, SB, and many others. A Special Thanks to the person who pushed me, Tatiana, and to my family for all their support. "Always be yourself, a lousy original is always better than the best imitation"- Ernie Harwell.

**Joanna Sim**

Thanks to the IS bunch who made school fun : Bim Nanapeancospuscipie , PeeRo, D XiaoZhu. Thanks M&D for paying me \$14,000 annual tuition fees & \$5,000 annual living expenses. Thanks to J for your continuous love & support. Thanks to the Lord, for bringing me this far. Romans 8:38-39 "For I am convinced that nothing can separate me from the love of Jesus Christ".

**Catherine C. Y. Tsai**

Blank

**HungJu Tze**  
*Ugly Willy*

I would like to thank my parents and my friends who help me in these 4 years. I feel so lucky that I can graduate with a onion ring as an industrial engineering graduate.

Now, I'm out of here. It's PB time!! Guu!!

**Sonia Vanderby**

It's been quite the ride, too bad it was only four years. Good luck to those who aren't done, Congrats to those that are. The out of class education was definitely worth more than the in class a lot less boring too. Tootles to everyone, and remember, enjoy life!

**Tu-Quynh Vu**  
*Mimi, Miners, Mims, etc.*

It eluded us then, but that's no matter tomorrow we will run faster, stretch out our arms farther. And one fine morning..." F.S. Fitzgerald - Thanks to aDnLaLaHglsDyAl & INDYcrew for all the laughs through these crazy 5 years - Thanks Mom & Dad Titi & Lili for the love and support- In a sea of green I run to another end to find myself here once again-OK bye

**Charmaine Wang**  
*CharmyPOO (o'\_o) Q(-\_Q)*

... Journey to the Iron Ring ... I can't say for certain that it was all good times but I do know that I look a little older with a little less hair and a little more wrinkles and maybe just maybe a little bit wiser. Many thanks to my family and friends (refer to JY blurb for partial list). You guys know I couldn't have made it without your constant support, encouragement and mockery!!!

**Winston Wu**  
*N/A*

Please leave it blank.



"Every passing minute is another chance to turn it all around" Special thanks to Mom and Dad, couldn't have done it without all your support. I would also like to thank all my friends, WuTang + Charmypoo (o'\_o) Q(-\_Q) + Shing, Niagara Crew, Brown Crew, IS Crew, WOE, Charlie's Angels, and CA. Good luck.

**Adrian Alexandar****Zoe Baldwin****Ruby Boparai****Stephanie A. Bradley****Bram David Bregman****Stefan Cabrera****Catherine E. Campbell****Patrick Hei-Yin Chow****Ryan Colaco****Mandesh Dosanjh**

"Copywell is my friend, I don't really go to class I just pretend." - Roger Pai

## Industrial Engineering Graduates



Katherine H. Hancharek



Jennifer M. Hartnel



Deborah A. D. Junta



Audriy R. Kolos



Marla R. Leonardi



Laura G. Macaulay



Fan-Kai Meng



Seema Mohite



Nader Museitif



Ian Nichol



Catherine M. Poirier



Michael James Ruhl



Yasseruddin Syed



Kai-Chin Tai



Gerald S. Thiagaratnam



Lucas Thung



Wing K. W. Tsang



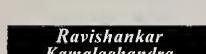
Eric Tung



Jennifer L. Wyndham-Wheeler



Sean P. Jones



Ravishankar Kamalachandra



Sanjay Shah

## Autographs

"I'll see u at the unemployment line." - Arveen Pal

# Mechanical & Industrial Engineering Dinner Dance



"University rocks for the people that you meet and the great experiences." - Adelaide Hung



"Getting drunk and losing said ring in the first night PRICELESS!!" - Brian White

## Mineral Engineering Department Chair

Congratulations to the graduating class of 2003. We are very proud of your accomplishments and confident of your future successes.

We have had an exciting year here in Mineral Engineering – a whole new “face” to the program. We launched a new website ([www.mineralengineering.utoronto.ca](http://www.mineralengineering.utoronto.ca)), developed a new brochure, held a one week Academic Orientation for our incoming first year class, and saw the official opening of the Lassonde Institute. Incidentally, our first year class was double the size of last year’s and this is a trend which we hope to continue. The Institute is ideally positioned to perform world-class research in the area of engineering geoscience, and we are beginning to actively recruit graduate students from a variety of different areas: civil and materials engineering, as well as geology and geophysics. We were successful in recruiting Prof. Paul Young from Liverpool University as the first Director of the Institute. The Lassonde Institute will continue the work of “putting us on the map” that was begun with Pierre Lassonde’s generous endowment to the Mineral Engineering program in 1995.



**Prof. Will Bawden**  
(On research leave)

This year Prof. Will Bawden was on a well-deserved research leave. He will be spending the spring term in Australia, doing research in Cable Bolt Design and helping to promote the Lassonde Institute. The program also welcomed a new staff member, Ron Untalan, who joined us in the role of Department Assistant. Ron comes to us from the Registrar’s Office, and is well-versed in the workings of the Faculty of Applied Science and Engineering. We also had two new Adjunct Professors join us: David Penswick and Adam Coulson. Welcome to our newcomers!

And to our graduates: Well done!

**Prof. John Curran**  
Acting Chair, Mineral Engineering

## Mineral Engineering Club

Thanks to everyone on the MinClub council for a great year! Our smokers were definitely the bomb, and NO other club boasts jello shots. Getting the pop machine fixed was a very key part of OT2, as was putting Mortal Kombat back online. The chariot was a blast; who knew that we could get more people out than the Civs??

The trip to Lovat TBM facility proved to be an excellent way to play with really big stuff, which is what Min club is always striving to provide. The usual Bancroft and Montreal trips were too much fun, as is anything that involves alcohol ;) And the mining games – not much more to say, except even more fun!

Remember: mining engineers go deeper!

**Boi Linh &  
Kathy Plachta**



**Presidents**  
Boi Linh  
Kathy Plachta

**VP Administrative**  
Mike Diez d'Aux

**VP Finance**  
Josh Clelland

**VP Activities**  
James Gardner

**First Year Representative**  
Antonio Gomes

**Second Year Representative**  
Jeffrey Lam

**Third Year Representative**  
Ashleigh Meyer

## 2nd Year Mineral Engineering Students



MIN 0T5

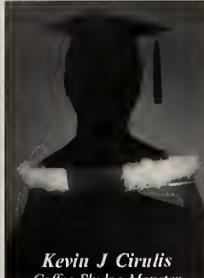
## 3rd Year Mineral Engineering Students



MIN 0T4

"Remember: Mining Engineers go deeper!" - Boi Linh

## Mineral Engineering Graduates



*Kevin J Cirulis*  
Coffee Sludge Monster

The studying is almost done, that last report is almost finished and the last opportunity to sleep in class is getting near. I raise my glass to those who I went through this with as we tried to help each other out. Its not what we learned but what we take away.



*Khalid Abnaisha*



*Giuseppina Ferrara*



*Tebogo Maikano*



*Boi Linh Van*

*Domenico A Bruscia*

*Daniel Lithgow Earle*

*Adam Horwitz*

*Connie Lynn Manning*

*Franja Nikolic*

*Katarzyna M. Placek*

*Justin E Rocco*

*Keyvan Salehi*

## Non-Degree Graduates

*Nir Baram*

*Jitae Chong*

*Jonathan Cottinet*

*Bojan Gasic*

*Olivia C Goutail*

*Fredrik Holstein*

## Autographs

# Mineral Engineering Club Activities



Group photo, 2002 mining games in Vancouver



Mining Games reception



Mining Games mine design event



Chillin in our common room

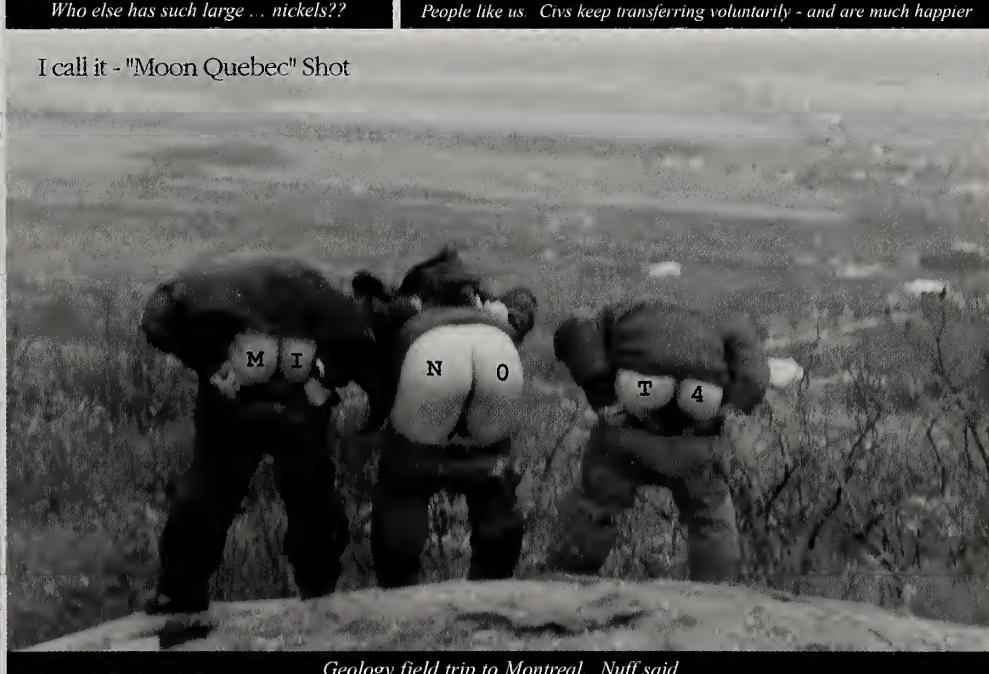


People like us. Civs keep transferring voluntarily - and are much happier



Mmm - YUM!!

Mining Games boat races



Geology field trip to Montreal. Nuff said.

Yeah we lick rocks, but we had 4 limos driving us around!

Yeah we lick rocks, but we had 4 limos driving us around!



Really chillin... Zzzz



Montreal field trip. Nice shot!



Bancroft Canadian Tire - we're famous!



COME CHECK OUT THE AREA'S LARGEST ERECTION!

Bancroft Canadian Tire - the other side ...

What the heck are Mining Games?



# SPECIAL PROJECTS





# BRUTE FORCE COMMITTEE

BIG BROTHER  
BROOKLYN

BEING A TOTALLY FICTIOUS AND IMAGINARY ORGANIZATION WHICH DOES NOT EXIST, HAS NEVER EXISTED, AND NEVER WILL EXIST...





## MINISTERS OF THE BFC

DA CHIEF, MARIO BAKER  
DA CHIEF's Ass

INDUSTRIAL WASTE  
LATEX AND OILS  
METICULOUS EXPLORATION  
PRIDE AND VANITY  
RAZOR SHARP INCISIONS  
SUBTERRANEAN INFILTRATION  
UNDERACHIEVEMENT  
AND OVEREXPOSURE  
UNEXPRESSED DESIRES  
ANAL PROBING  
ARTISTIC DEVILRY  
COVERT INTELLIGENCE  
EXPLOSIVE DESECRATIONS  
INDECENT JESTURES  
INEBRIATED STROKING  
NAILING AND SCREWING  
NEEDLESS DESTRUCTION  
PREVENTIVE ESCALATION  
SAX AND VIOLENCE  
SPONTANEOUS PROBING  
SUBTLY AND SOBRIETY  
SUBVERSION AND PERVERSION  
TITRATIONS AND ALCHEMY  
UNORTHODOX EXPERIMENTATION  
COPIOUS CONSUMPTION  
UNSEEN TRESPASSES  
WEALTH AND HELLFARE

# Lady Godiva Memorial Bnad

INTRODUCING (da Skulebook 0T3 rite-upp uv) ...

the worldfamous, quadruple prize-winning, sextuple record-setting TSE-Crashing, football field-dashing, alcohol-stashing, Yeoman-mashing Stealth-Bnad-stalking, imposter Bnad-mocking, Con Hall-shocking, Gradball-Rawking, 7-year-old-scotch-decanting, Yonge-street cruising, Varsity-Blues'ing, Ear-drum-bruising, Music(?)-abusing, Sheppard Subway Line, Four Seasons, Skydome, Eaton Centre, Baja Centre for Information Technology, AND subway opening (AND subway CLOSING) ...

LADY GODIVA MEMORIAL BNAD, Renegade Musical Terrorists, Marching Gregorian Chant Society, and White Noise Brigade!

Dis yere's bin kwite fenominal as farr as da Bnad yeers go. Weave bin hon more uhvenz thiss yeer then awl uv tha Bnad Leedurs cannes kount awn there finghers ahnd toezi (and their jenetic freecks!): sporeting-uhvents-city, cherety-eventz-city, eckspen\$ive-restaront-city, and uffishul ohpenning city: the Bahen Sent-her and the Sheppard Subbway Opunning!! And wee wer awlmost officiallee invited intwo tha subwhey opunning (iffen u count thee undapayed moron att tha dore).

Awl uv are knew-fownd instramints und tallent huv bin putt too gud yousse, jammin' witt da subbwhey busquers and tha BIO250 Proffs. Itt haas bean uh yeer uf Bnad ecksess and tha Leedurs R ennjoing thu helipad-extrravaganzuh (helicopturs to foloh neckst yeer). Ahl uv thiss gluttinee hes bin phunded bi tha evah-increessing thurst of Skule-men und women fer boath sweeet, sweett, caffinnatted beverajes, ahnd thair nooly-discuvored unquenchible nead furr Elektric Eels (hents tha Bnad Electrik Eel Farm (BEEF) annd tha Bnad Hummer uzed too tranzporte sed Elektric Eels).

Madd showt-owts two owr peeps inn da hood and gud luk too are knew, fearless Leedurs: Bnad Leedur Susan "I went to highschool with Avril Lavigne" Hogle, D(r)umb Majer(k) Thorsten "new guy" Klaus, and Joonyer Bnad Leedur Dirty "Luke" Wesley!

Wishin' yous all da best in futurr Bnad endevers,

Love,  
Your Bestest Bnad Buddies,

**Andrew "A-Dawg" Overholt - Bnad Leedur 0T2-0T3**

**Dan "also too cool for a nickname" De Araujo - D(r)umb Majer(k) 0T2-0T3**

**Susan "whatever major loser, Walmart shopper" Hogle - Joonyur Bnad Leedur 0T2-0T3**



BNAD Leedur

Sheppard-Yonge



Subway OPENING ...



One month old pizza!



Cop: "See ya next year!", Bnad: "Giddy-up!"

# Sekrit Bnad Sekrits

Did you know that ...

- alcohol comsumption in The Bnad is higher (per capita) than in every country in the world except Ireland?
- when EngSoc was relocated, engineers forgot to take into account the immense weight of the Bnad Safe, and consequently it's causing the Bnadroom floor to sink by 2 mm every year?
- if all the Bnadshirts were completely wrung out, they would secrete enough sweat to fill a bathtub?
- if you were to stack up all the pop cases ordered by the Bnad over the course of one year, they would reach the orbital altitude of the International Space Station?
- on an average Bnad Event, The Bnad consumes 28 chickens, 3 cows, 135 potatoes, 17 L of Ketchup, 2 kg of salt, 8 heads of lettuce, 32 L of pop, and 40 beers?
- the TTC has a secret audio warning code \_just\_ for the LGMB? (rumour has it that it's "263 Queen's Park, 263 Queen's Park, 263 Queen's Park, Call Control.")?
- over its 50-year history, the Bnad's lecture incursions have resulted in no fewer than 7 resignations by Arts & Science professors?
- the noise level produced by the Bnad at a distance of 3 metres is equal to the noise produced by a jet engine at the same distance?
- the Bnad was almost shut down in 1977 for its controversial website, <http://www.barelylegalbnadmembersgonewild.tz> (see pictures)?



*The Bnad on the Hockett!*



*Never mind the football game, here's the LGMB!*



*I'm a potted plant*



*Wipeout!!!*



*7-year-old Scotch decanting ...*



*Warning Persons loitering in this station are subject to prosecution under TTC By-law #1, Section 6.*



*A walk in the park*



*Value customers*



*Til next time...*



"I went to highschool with Avril Lavigne"

**SUDS**

Greetings my faithful drinkers,

What a Sudstastically eventful year we've had. This year saw more engineers consuming more BEvERages and PIzza than ever before. It was probably due to the extremely hot Suds managers (especially Drago), but we'd like to think it was because we added some great new premium beers to the menu and introduced an unparalleled level of service (including the new, halter top uniforms) to the dispensation of ethanol-based libations on campus. That and the support of different organizations, who decided to give away free stuff every few weeks made it a truly memorable year. I even got four live lobsters out of it!

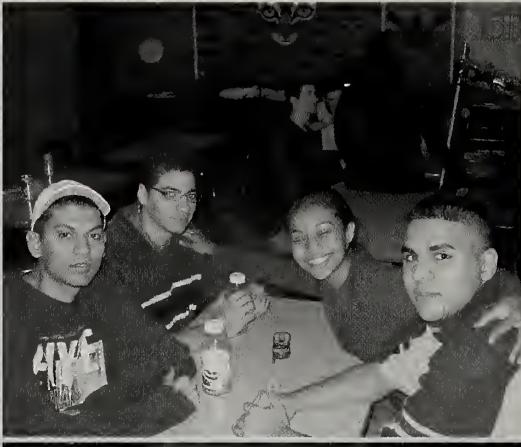
We wish the future Suds managers the same good crustacean fortune that we've had, with one word of advice: drowning a parakeet to make a fancy shooter is not a good idea.

Thanks for the great year guys – it was truly Sudserific.

*Erika Kiessner (Suds Manager 2002-2003)*

*Daniela Dighi (Suds Manager 2002)*

*Drago Banovic (Suds Manager 2003)*



*Nicknames: Angels of Alcohol*



*Nickname: Demon of Alcohol*

"What a Sudstastically eventful year we've had." - Erika Kiessner



"We wish the future Suds managers the same good crustacean fortune..." - Erika Kiessner

## Chief Attiliator 2002-2003

Over the past year, I have had a blast (literally!!!) serving as the Chief Attiliator. As the person responsible for firing, protecting, and maintaining your mighty mascot, I have done my best to boost Skule Spirit, while keeping the Mighty Skule™ Cannon safe from the hands of artsies and similar ilk.

Some notable memories (firings) include: my first firing (the power!!!), Bnad Wake-up (6 firings in one night, and we even made it on Breakfast Television, CP24, and the City TV 6:00pm news), meeting the 6T2 Chief Attiliator (Bill Riggs), Con Hall during F!rosh Week (my apologies to the poor, unsuspecting f!rosh guard who nearly lost her hearing), firing the Cannon in the Hart House quad and being banned for life (again) from entering Hart House (that darn Porter Paul), Godiva's Resurrection (set off the fire alarm in SF and GB...although the firemen were good sports), the "accidental" late-start of the Chariot Race, Mr. Blue & Gold (poor atrium roof tiles and candy machine...pity), and Cannonball. Special thanks to my very SEXY Cannonball Guards for the evening – Erika Keissner, Daniela Dighi, Stephanie Bradley, and Kelly Sabaliauskas – you were all magnificent!. And although Gradball has not taken place yet, I am sure it will be a most memorable evening.

I would like to pass on some advice for the future. First, and foremost, "EARPLUGS?!? We don't need no stinkin' earplugs! What did you just say???" Second, when half-wits (i.e. SAC) are attempting to steal the Cannon, they will fall for anything, thereby resulting in humiliation and embarrassment (like chasing down an individual carrying a bag of bricks – seriously). Third, powder burns don't tickle (my goodness, the pain). Fourth, it is a bad idea to fire the Cannon out in the middle of Front Campus during a lightning storm. Fifth, wedding parties seem to dig the Cannon (we headlined several wedding pictures this year). And finally, anyone can be a Cannon Guard – just get involved and show interest.

Finally, I would like to conclude by saying that it has been an honour and a privilege to serve as the Chief Attiliator. However, I couldn't have done it without the help of my dedicated guards and the assistance of some ex-CAs – Matt, Ian, and Puff. Always remember: the Mighty Skule™ Cannon is your symbol.

HONOUR IT!!!

RESPECT IT!!!

PROTECT IT!!!

Angelo Gentile  
Chief Attiliator 2002-2003





Roll out Godiva...

# Iron Dragons: U of T Engineering Dragon Boat Team

The 2002 dragon boat season was a success! The University of Toronto Iron Dragons, a team consisting of engineering students, were a determined, hard-work energetic, and enthusiastic group of paddlers. As always, we showed that we fight hard with lots of spirit. We were a team determined not only to improve and successful in our season, but we were a team of teamwork, workmanship, and just plain having fun! The season consisted of hot and tiresome land practices, and droopy-eyed water practices, money earning fundraising events, grueling early morning wake-up calls to start what would be a long day's worth of competition and of course, team outings.

It was an exciting season in which we showed our presence at all events with our spic and span car washers, our loud team cheers, our starting warm-ups, of course, our sexy tight-ass, Cool-Max dragonboat tank top team jerseys (and for some others: skin-tight, ball bulging short shorts which by the way, made guys *extremely* sexy). In fact, we were so loud and spirited that we got ourselves onto CityTV and a video being made for the competition.

We kicked off the season with a 3<sup>rd</sup> place finish in the University Cup Finals B at the Toronto International Dragonboat Race Festival at Centre Island. This year, we also entered the Great White North's Summer Sizzler League and came in 5th place. In our final competition, at Ontario Place, we again fought extremely hard and finished first in the F Division Finals. We even have a trophy and medallions to prove it! By the end of the season, we showed good progress in technique and team synchronization, which resulted in an improvement of over 16 seconds! It was an excellent season and a job well done by all the paddlers. Congratulations to all!

I'd like to thank our managers Richard Yu and Angela Sy, as well as our coach, Stanis Yu. We couldn't have done it without you. Also, special thanks to D. Angela H., Ed, Cam and those many fans who came out to support us.

Who are we? ENGINEERS!

**Vincent Hong**

Captain





**Managers:** Angela Sy, Richard Yu

**Coach and Drummer:** Stanis Yu

**Steersmen:** Nanthan Yogachandran, Richard Yu

**Paddlers:** Marko Aleksic, Isabelle Bourgeois, Anderson Chu, Gary Chu, Ana Maria Gonzalez, Vincent Hong, Angela Ko, Jonathan Lai, Andrew Lam, Gina Lee, Kenneth Leung, Angela Lo, Pearl Lung, Alison McGuigan, Eric P. Ng, Andrew Shaw, Steve Shih, Angela Sy, Julie B. Tran, Aonan Yang, Tessa Yeung, Pam Yiu, Nanthan Yogachandran, Richard Yu

**Special Mentions:** Edward Son, Dan Kocic, Angela Ho, Cam Hong

"Do you think my shoulders are too big?" - Angela Sy

## Concrete Canoe

*Kaga Takeshi: If memory serves me correctly...*

...The 2002 UofT Concrete Canoe Team definitely cooked up a storm in this city in May 2002, hosting the 8<sup>th</sup> annual Canadian National Concrete Canoe Competition at the University, Nathan Phillips Square, and Toronto Island. With eight Canadian teams and one from France in attendance, the competition was a great success, despite the unpredictable (and often foul) weather.

*Kaga Takeshi: Today's challenge: a Concrete Canoe! I summon, the Concrete Chefs!*

*The Chefs: What's cooking? Canoe du Jour!*

The Concrete Chefs rose to the challenge and reigned supreme in their own right, combining their vastly ranging skills with new techniques to tackle the problem of making concrete into a quick, swift, floating canoe. Known for wildly creative themes and sportsmanship, we proved yet again that we have spirit and artistry to spare. Armed with a spoof of the TV series Iron Chef, the Concrete Chefs created, paddled and cheered their way to a commendable third place finish. Painted blue with silver scales, Canoe du Jour was the UofT Concrete Canoe Team's entry into the CNCCC competition. Accompanied by a kitchen display, a comprehensive technical report, solid racing, and a presentation to rival the original TV show, the 21-foot, 130-pound creation clearly satisfied the palates of the judges and spectators alike.

Ask any chef and they will not divulge their secrets to creating culinary masterpieces. The U of T Concrete Canoe Team's secrets to success? The ruthless ability to de-weave very expensive cloth, an intimate relationship with water, and the assertiveness to befriend those with epoxy in times of need.

In May 2003, we head to École Technologie de Supérieure in Montreal, where we will compete in the CNCCC competition again. With swordplay, tragedy, and star-crossed love in the script, the Bard would undoubtedly applaud the creativity and knowledge the Team brings to the competition every year. Or, as Kaga Takeshi himself would say, "Impressive! Very impressive!"

**Elizabeth Ho & Philip Raynham**  
Co-Project Managers



"Impressive! Very impressive!" - Kaga Takeshi



**Executive Members and Positions:**

Nicolas Lee – Hull Design Manager

Kien Vinh Duong – Concrete Mix & Composite Design Manager

Paul Graham – Paddling Coach

Nazim Hussain – Presentation Director

"..the Concrete Chefs created, paddled and cheered their way to a commendable third place finish" - Liz & Phil

## Skule Nite

SkuleTM Nite is a feat of engineering worthy of being called the 8th Wonder of the World. Each year, we take dozens of individually selected engineering students and apply heat, pressure, and catalyzing chemicals to extract pure Distilled Talent®. We then combine this talent from writers, performers, musicians, set makers, costumers, and a gifted technical crew to produce 2 hours of sketch comedy spiced with musical and dance numbers.

This year, the well-oiled SkuleTM Nite machine will continue in the tradition of years past. The result will be SkuleTM Nite 0T3. The show will abound with sketches ranging from brilliant comedic genius full of subtle nuances to gags about sex, calculus, and the tendency for engineers to fail at both (at least on the first try). By opening night, the delivery will be perfectly timed, with actors drawing out more laughs than even the writers or I thought possible.

The dancing will be as good as we could expect from a bunch of engineers, but sometimes they surprise us. Our choreographers, with their years of quasi-professional dance training, will be sure to make everyone's toes twinkle. Our live band will perfectly reproduce the popular songs and classic show tunes we spoof, while our vocal director draws on experience leading award-winning choirs to tweak the vocal performances of our talented and energetic cast. The props and set pieces will be top-notch in light of our veteran Master Carpenter.

Last year, all these elements combined to produce dancing 8-foot llamas, light saber fight scenes and a pregnant teen-aged alien with a horn coming out of her forehead. SkuleTM Nite leaves audiences in stitches, and that's why our performances sell out year after year. Both engineers and the general public agree that SkuleTM Nite is an event not to be missed and this year's show is no exception.

Promising even more laughs, more kitschy dance numbers, more witty songs, and more amazing special effects than before, SkuleTM Nite will be one of the premiere shows at Hart House Theatre in 2003. We hope you enjoy it...

**Agnes "Bob" Jedrzejewski**  
Director, SkuleTM Nite 0T3  
COMP 0T2



"...apply heat, pressure, and catalyzing chemicals to extract pure Distilled Talent®." - Agnes Jedrzejewski



### *Skule™ Nite 0T3 Cast*

*Grace Choi  
Jon Hoss  
Nazim Hussain  
Michael Diez d'Aux  
Colin Lee  
James McMillan  
Laura Koch  
Leona Smith  
Jessica Warsh  
Jane Lam  
Jason Seagram  
Leslie Ferguson  
Susan Hogle  
Brent Peers  
Esther Huh  
Filip Stefanovic  
Tiffany Conroy*

### *Skule™ Nite 0T3 Creative Team*

*Donovan Pollitt – Producer  
Agnes “Bob” Jedrzejewski – Director  
Naseem Husain – Stage Manager  
Jon Hunt – Master Carpenter  
Jessica Warsh – Vocal Director  
Ian Collins, Karen Chang & Rachel Alix – Choreographers  
Adam Grossman – Band Director  
Vivian Quan – Costumer  
Marc Lesperance – Lighting  
Jana Haddad – Sound  
Mat Szeto – Sound Effects*



"...gags about sex, calculus, and the tendency for engineers to fail at both (at least on the first try)..." - Agnes Jedrzejewski

# IEEE - Institute of Electrical and Electronics Engineers

As Chair of the Institute of Electrical and Electronics Engineers (IEEE) Student Branch, I would like to extend our warmest greetings to you.

The Student Branch is your on campus connection to the IEEE, the world's largest professional organization, with members in over 147 countries. As a Student Member of IEEE International, you are part of a larger community of electrical engineering related professionals. You will receive Spectrum, the IEEE's monthly magazine with all the latest in technological innovations. You get access to IEEE's online member's only area where there are loads of technical information on research and standards – perfect for thesis and design projects! And the best part is that your membership is 1/3 of the regular price!

As for the Student Branch itself, ours here at U of T is the largest in Canada, and among the most active. We offer our members many student services such as computer workstations (no line up!), electronics workbenches (complete with oscilloscopes, and function generator), extra study space (for those late night study sessions), cheap pop (only 50 cents!), and a technical volunteer job board to help you get your 600 hours done! We also host many events throughout the year; this year we've had a UNIX Seminar, PEY Seminar, Europe on a Budget talk, Microsoft Information Session, Persian Food Fest, and our famous Wine and Cheese.

The Student Branch is always looking for enthusiastic members to join and help out (or become extra permanent fixtures in the office :>). It's lots of fun and is a great way to get involved! Drop by our office, GB150, anytime to check us out. Hope to see you around!

Regards,  
**Howard Tam**

U of T IEEE Student Branch Chair 2002-2003



**Nicknames:** Mr. H, Chairman H

#### Secrets:

- We're not just for ECE's Anybody with an interest in technology is welcome to join!
- Despite what many people think, Howard really hates the movie "Howard The Duck"
- Jennifer is really world famous singing dancer J. Wong. And Nima is really a good



Listening Intently at an Executive Meeting



Jennifer and Hattie, chilling out.



IEEE Exec.



Vicky Modeling free T-Shirts from Travel Cuts.



Studying in the IEEE Office.



Our Pop Queen, Charlotte



Ali making a point



Thomas, Computer Administrator



David "the cracker" Jack, Comp Admin



Charlotte... again.

**Executive Members:**  
Vice Chair - Jennifer Wong  
Treasurer (and Pop Queen) - Charlotte Chang  
Secretary - Saman Amin  
Computer Administrators - Thomas Wong  
Computer Administrators - David Jack  
Public Relations Co-ordinator - Nima Hosseini  
PR Officers - Iman, Vahid, Vicky, Moji, Payam, Diego  
PD Co-ordinator - Amir Parayandeh  
PD Officers - Banafsheh, Charudutt, Farnaz, Hattie Newshaw, Roujyar, Ali, Soheil, Matt



"Despite what many people think, Howard really hates the movie Howard The Duck" - Howard Tam

# **EWB / ISF - Engineers Without Borders / Ingénieurs Sans Frontières**

Engineers Without Borders - Ingénieurs Sans Frontières (EWB-ISF) is a registered Canadian charity that works to help people in developing communities gain access to the technologies they need to improve their lives. Since its inception in January 2000, EWB-ISF has attracted 2500 members from across Canada, and has sent over 40 interns to developing communities around the world. EWB-ISF has initiated 21 projects in a number of different sectors, including water resources, health and sanitation, IT, and low energy lighting.

The University of Toronto chapter (EWB UofT) was started in January 2001, and consists mostly of University of Toronto engineering students, although everyone is welcome. The chapter provides an opportunity for members to organize events, projects, seminars, conferences and workshops that aim to educate and cultivate awareness of appropriate technology and international development issues. To date, EWB UofT projects have focused on water and sanitation, renewable energy, and landmine detection. The chapter has hosted lectures from a number of prominent guest speakers, including Thomas Homer Dixon, author of *The Ingenuity Gap*, and Maureen O'Neil, resident of the International Development Research Centre (IDRC). A number of EWB UofT members have also embarked on internships to Zambia, India, and Bolivia. For more information on the chapter and how to get involved, visit <http://toronto.ewb.ca>.

## **Anupam Singhal**

President, Engineers Without Borders - University of Toronto Chapter



**Nicknames:** EWB UofT

## **Secrets:**

*EWB is a great way to get out of skule work; who knows, it might even give you an acceptable excuse to miss a test?*



**President**  
**Anupam Singhal**

**VP Operations**  
**Nick Kruchten**

**VP Communications**  
**Anna MacDonald**

**VP Finance**  
**Jonathan Polak**



"EWB-ISF has attracted 2500 members from across Canada..." - Anupam Singhal

## Formula SAE

The 2003 University of Toronto Formula SAE Racing Team has come a long way since it's first car back in 1999. Winning the 2002 Formula Student Overall Performance award and finishing first in the autocross qualifying and first in the endurance race is a true testament to the speed and engineering prowess that the UofT team can demonstrate. The team this year are led by champions in their own right: Matthew Ferraro (Aerodynamics), Jeremy Koudelka (Powertrain), Jerry Zielinski (Engine), Taras Juzkiw (Electronics) and Daxin Zhao (Suspension). Leading an eager team of 30, this year's showing from first and second years is outstanding. The team looks forward to dominating the Formula SAE and Formula Student competitions this year. I look forward to all of SKULE's support and enthusiasm, as I believe that this racing season will be a triumphant one. For more information, check out [www.fsae.utoronto.ca](http://www.fsae.utoronto.ca).



# BlueSky - Solar Car Racing



"Does the solar car have 4-wheel drive?"

# CESA - Chinese Engineering Student's Association

The Chinese Engineering Students' Association has been a recognized students' group in the University of Toronto for nearly 28 years. It has approximately 600 members, including students from different faculties and ethnic backgrounds.

CESA's primary goal is to "promote friendship and communication among students, teaching staff and alumni". With this goal in mind, CESA organized a wide variety of events for our members this year, including badminton tournament, go-kart tournament, Big 2 card game tournament, a Christmas semi-formal, several dances, a Raptors game, ski trip and basketball tournament. Aside from these social and sports activities, CESA aims to promote awareness in multiculturalism by celebrating different Chinese festivals including the Mid-Autumn Festival and Chinese New Year. The Lion Dance in the SF Atrium was definitely one of the more memorable activities. Another way of promoting the Chinese culture is through our bi-monthly publication, CESA Times.

In addition, CESA looks after the interests of its members. It organizes the sales of used textbooks and past papers. It has also succeeded in getting the support of over 450 businesses at various locations in the Greater Toronto Area to offer shopping discounts to the members. Many thanks to these businesses.

CESA gives back to the community through various volunteering activities. One example is volunteering at the annual Cathay Ball organized by the Mon Sheong Foundation.

We at CESA hope to see you come out and get involved. Have a great summer and we'll see you in September!



Felix Wong - President



Evean Qin - Class Rep



Krystal Chan & Cindy Lau  
Class Reps



Fred Hui - Class Rep



Linda Lee - Class Rep

**Felix Wong**  
CESA President 2002-2003

## CESA Events



# CESA Events



"CESA's primary goal is to promote friendship and communication among students, teaching staff and alumni" - Felix Wong

## Stage Band

Skule: The Stage Band is a ±20 piece combo that plays at various Skule and university-related events throughout the year. The band showcases its talents (and they \*are\* talented, unlike another band that will go unnamed...) at Hart House, CannonBall and various other random events by playing an assortment of Swing, Funk, Rock and Latin tunes for the entertainment and enjoyment of all.

Band: So another year goes by... Hope you guys (and ladies) enjoyed it as much as I did! I must admit, I'm really impressed at what a great year this was. You guys managed to pull off some pretty incredible pieces this year! Just look at "Calypsoscope"... Though I was a little sceptical at first, you guys blew the doors off that one. And we even squeezed in a superb rendition of "Give it All You Got" to boot! Keep up the good work!

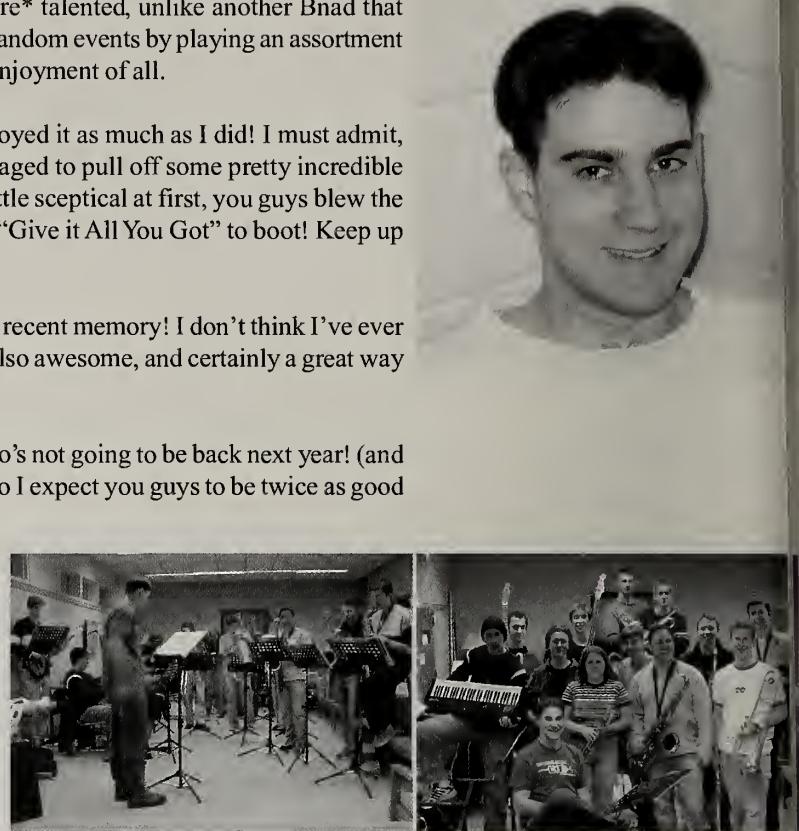
And Cannonball, what can I say? Most definitely the best show in recent memory! I don't think I've ever seen the dance floor that packed! Our annual Hart House gig was also awesome, and certainly a great way to finish off a great year.

Hey, you know what I just realized? I'm the only band member who's not going to be back next year! (and not a moment too soon; my right arm was getting pretty tired...) So I expect you guys to be twice as good when I come back to visit next year! :-)

Thanks for yet another enjoyable year! It's been a pleasure to work with you all!

Good luck next year!

*Dan DeAraujo (Comp OT3)  
Conductor '02-'03*



## ASME – American Society of Mechanical Engineers

Well, what does one say about ASME in one of these write-ups? I suppose I could start with a question then go on to explain what we do, ever that took place this year, and thanks a bunch of people.

This year's focus was on the Regional Student Conference as we are hosting it. At the time of writing we are expecting 400 Americans to descend upon Toronto for a weekend in March. With Whitney in charge, this is destined to be a huge success.

Other events have included extra Tutorials, industry talks and plant tours to help people improve their skills, and gain a better understanding mechanical engineering.

So, without out further delay, the people that need to be thanked. First off is Whitney for always knowing the answers to my stupid question and her thankless dedication to the RSC. Many thanks to Prof. Park and the faculty for their support of our activities. To Andy for dealing with the hotel for the RSC... I can only imagine the headaches that caused. To Vesna for organizing the plant tours and letting me know whenever forgot to do something (which is quite often). To Iana for all the great posters and tutorials, Ruth for the Ingersol Rand reports, and Shevonne for taking care of the finances.

I would also like to thank all the student members of ASME and everybody else who attended our events. I hope you enjoyed them, and encourage you to keep coming out in future years.

Cheers,  
*Paul Graham*

### Executive Members:

**RSC chair - Whitney Taylor**

**Treasurer - Shevonne Wharton**

**Communications - Iana Aranda**

**Faculty Advisor - Prof. Park**

**Vice Chair - Andy Chong**

**Public Relations Officer - Vesna Nikolic**

**Ingersol Rand Officer - Ruth Tan**

### Secrets:

- Being chair doesn't exempt you from being secretary.
- Having 20 people in a room isn't necessarily successful way to deflect questions
- Yes, we do pronounce it ass-me



# **WISE - Women in Science and Engineering** (<http://wise.sa.utoronto.ca>)

ight, talented, confident and successful are qualities often attributed to the individual women in science and engineering at the University of Toronto. Collectively, these women are WISE.

Women in Science and Engineering - University of Toronto (WISE U of T) is a co-ed student organization open to all persons in the University of Toronto community, including all students, staff and alumnae. Established in 1999, WISE arose as a forum for peers to share their experiences. With support from the university and student body, this chapter of a national association has developed into a recognized campus organization with four main goals:

To encourage young women to seek higher education and achievement in science, engineering, and related fields.

To create a support network for female students in these fields of study.

To inform students about opportunities and contributions by women in these fields.

To help women feel comfortable in school and to prepare them for the challenges that lie ahead in the workforce.

**Lulu Ang**

## **2002-2003 Exec:**

**Director General - Faaiza Ali**

**Director of External Relations - Andrea Y. Chow**

**Director of Membership - Sharon Lobo**

**Director of Web Site Administration - Jia Song**

**Director of Internal Communications - Lulu Ang**

**Director of Publicity - Heather Greenwood**

**Director of Media Relations - Jennifer Pereira**

**Director of Finance - Bahareh Vaez**

# **UTRA**

UTRA is an association aimed at realising the aggregate potential of all the disciplines within the Faculty of Applied Science and Engineering through the design, building and maintaining of robots. Furthermore, these robots are to be entered in recognised robotics competitions: Robotica, BattleBots and Killer Ants. The Association has built and is building robots for entry to competitions in August 2002 and May 2003. UTRA represents a new form of student association as it actively involves all of its members. Students will be participating, not just spectating.

Through wondrous weaving and manoeuvring we strive to strive. To take the art of nitty gritty robot designing and building "skizzills" to higher levels every session. "Sessioning," as some call it, is among our most important activities, allowing our members to actively inhale / immerse themselves in the club's atmosphere and partake in the club's *raison d'être*. We aim to combine the rigorously dull schooling that we receive with a modicum of creativity expressed through the inordinately non-dull robot making process – especially when the robot is constructively deficient (i.e. harnessing the powers that be to destroy other robots).

And so, this blurb has come to an end. Sadly bringing the UTRA exposure in this fine publication to a denouement as well. So on such a note, we bid thee all a farewell and a wholesome summer; advising all to keep an eye out for intriguing ideas that can be converted to robot form.

til next year,

**Krystal 'Special K' Godri & Ali 'insert nick name here' Hashemi**

## **Executive Members and Positions::**

**Directors of Engineering - Dan Mireanu (ELEC 0T5)**

**Director of Administration - Eugene Lam (COMP 0T5)**

**Director of Finance - Nazar Hossein (INDY 0T5 )**

**Director of Marketing - Virali Patel (NSCI 0T6)**

**Directors of Engineering - Vartan Pogharian (ELEC 0T5)**

**Director of External Relations - Andrew Yeung (COMP 0T3 +PEY)**

**Director of High School Relations - Joanna Tountas (INDY 0T5)**



"Bright, talented, confident and successful" - Lulu Ang

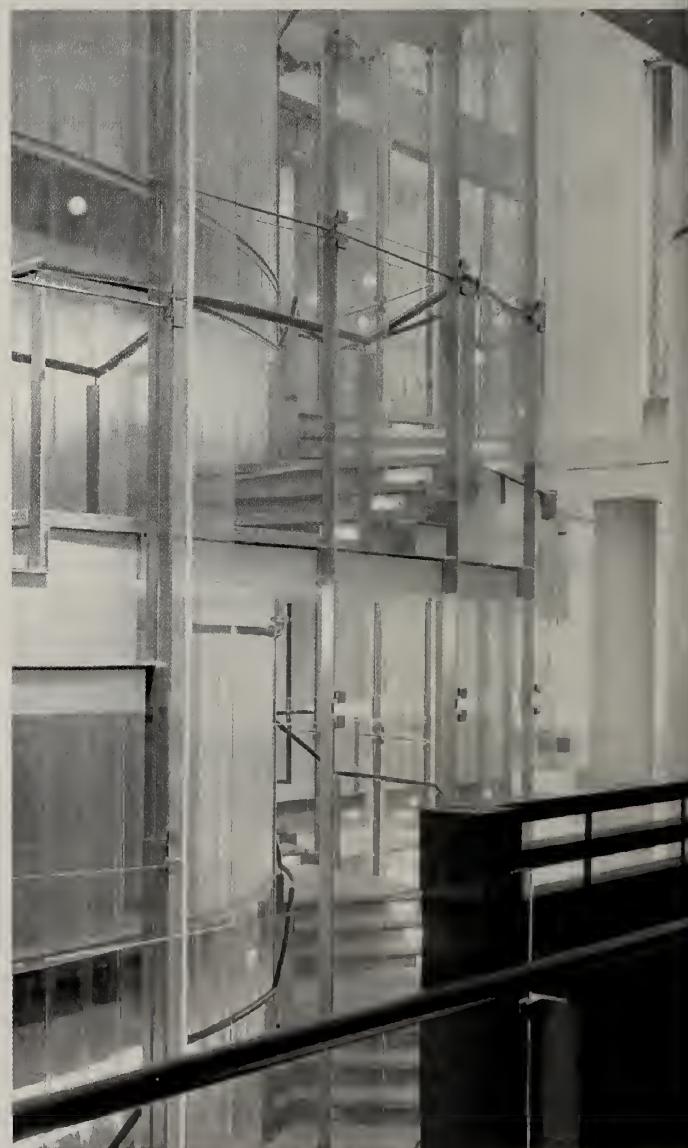
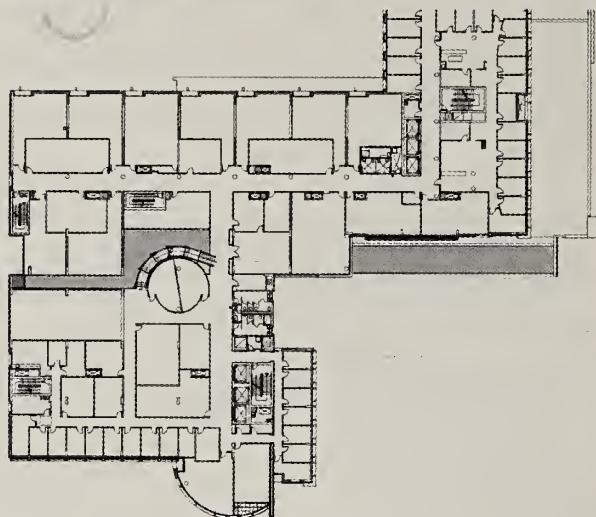
# BAHEN CENTRE



Introducing our new secret lair: the Bahen Centre for Information Technology. The Bahen Centre is designed to accommodate the teaching of secret agent techniques in the field of computer science, electrical engineering, engineering science, mechanical and industrial engineering. In addition, specialist research institutes will focus on technology, innovation and research in partnership with industry to facilitate the development of high-tech gadgets for our spies.

The Bahen Centre will now be the new headquarters for all secret missions, so only secret agents with proper identification (i.e. a T-card) may enter. The added security is needed to keep prying computer science artsies (who we must unfortunately share the building with) from seeing our top secret documents. The most confidential files are hidden in the rooms disguised by the innocent-looking, historic Victorian house exterior. To prevent people from finding the headquarters, most of the Centre is concealed. The building is situated in the middle of a large block bounded by six buildings including the Koffler Student Centre, The School of Architecture, and the University's Central Steam Plant. However, at night, the building is highly recognizable as the glass tower becomes a glowing lantern or beacon. The building was designed with the underlying concept of a high tech loft space.

The centre is a high-tech application of Green Engineering. It is heated from the waste chimney heat from the adjacent, central steam plant for the campus. It is quite apparent that the designers of the building have sent spies to our APS 103 classes and stole some of our energy conservation techniques.



## Bahen Centre for Information Technology (BCIT)

Location: 40 St. George Street

Cost: \$180 million

Space: 20,000 gross square meters

Opening Date: Summer 2002

Architects: Diamond & Schmitt Architects Incorporated

### Quick Facts:

- Number of kilometres of fibre optic cable laid in building: 6.5
- Number of kilometers of data cable: 185
- Number of data ports: 4,000
- Number of trees planted: 60
- Number of students attending class at Bahen Centre: 3,000
- Number of lecture halls: 11
- Number of tutorial/seminar rooms: 14
- Number of laboratories: 50+
- Number of faculty offices: 80
- Number of lecture halls configured for hearing assistance: 1



So this is where our money goes...



# EVENTS





Naughty, Naughty, Naughty...



Sex, Sex, Sex...

# F!ROSH LEEDURS



Year after year, I tell myself I'm not going to do this...

# F!ROSH LEEDURS



# F!ROSH GATHERING

The initiation of a new wave of secret agents begins in Con Hall. The overly-eager Engineering Spy Wannabes are put through a series of rituals to show them the true harsh reality of being an Engineer and to test if they are tough enough to stand the pressure. The F!rosh are required to raise their arms over their heads for one hour before being given food. Then, if any feeling is still left in their arms, they are accepted into the Secret Agency and stamped (or more like drenched) with the purple dye of approval. Once they are stamped, they cannot escape from this Faculty without leaving in shame.



Sizzle like bacon, Rookies...

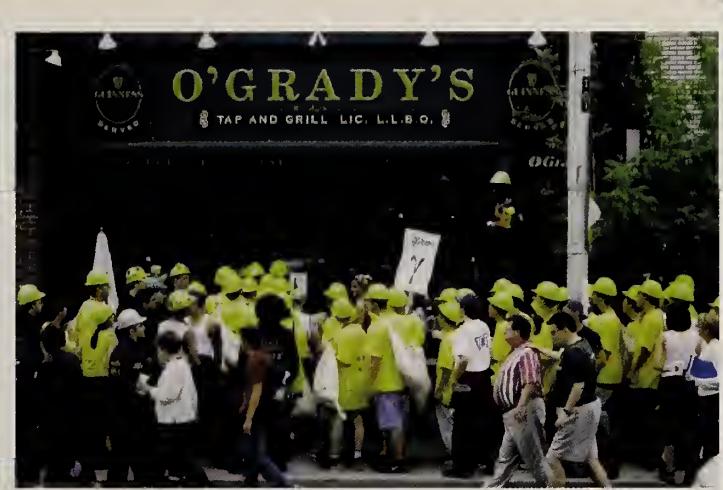


The initiation of a new wave of frosh...

# WALK AROUND

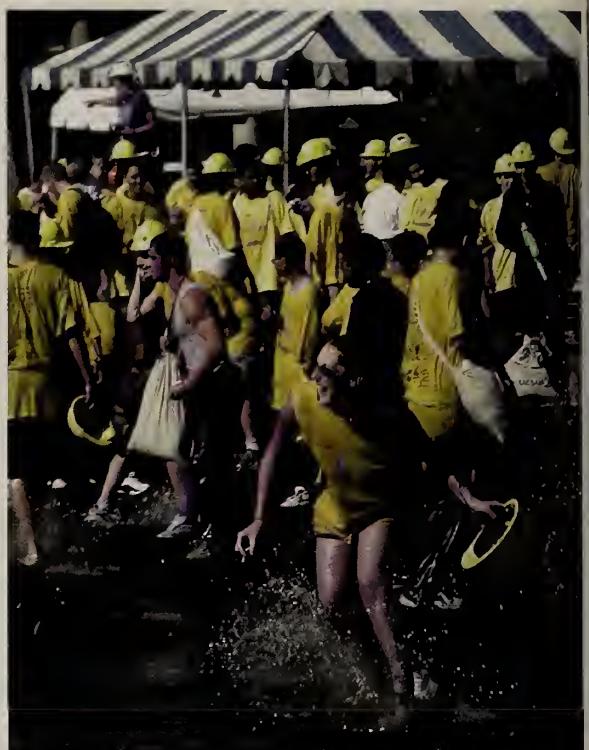


Whose in charge again?



We don't know!

# WATER FIGHT



# SCAVENGER HUNT & BED RACES



Engineers in boxers pushing a bed. Can you ask for anything else?

# HART HOUSE FARM

EVENTS





More beer?

# U OF T DISCOVERY DAY

COLLEGE OF LIBERAL ARTS & SCIENCES

EVENTS





# ANNUAL ALUMNI DINNER



Where did all the Alumni go?

# MR. BLUE & GOLD

ALL PROJECTS FEATURES

EVENTS



Cheers to 3 years of Mr. Blue & Gold winners!



Frankie the Flrosh -- Twisted Firestarter

# MR. BLUE & GOLD

ALL PROJECTS / EVENTS

EVENTS

GOALS



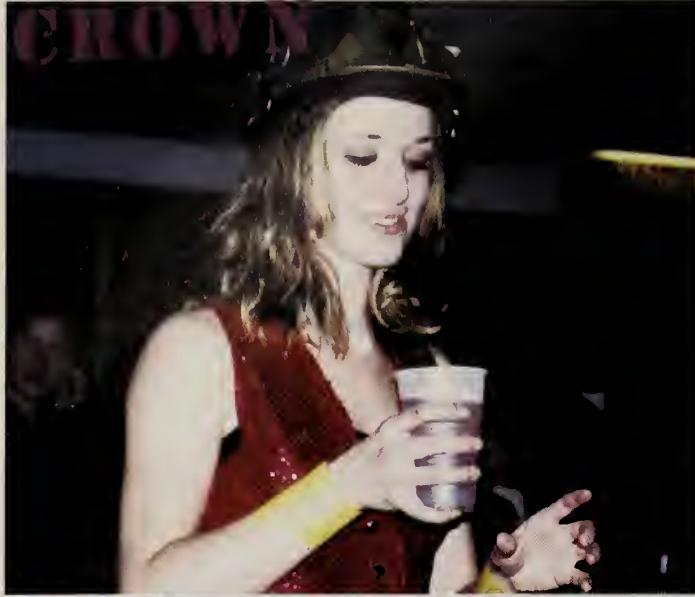


A mullet on "both" heads?

# GODIVA'S

ALL PROJECTS FENCING  
DRAUGHTERS

EVENTS

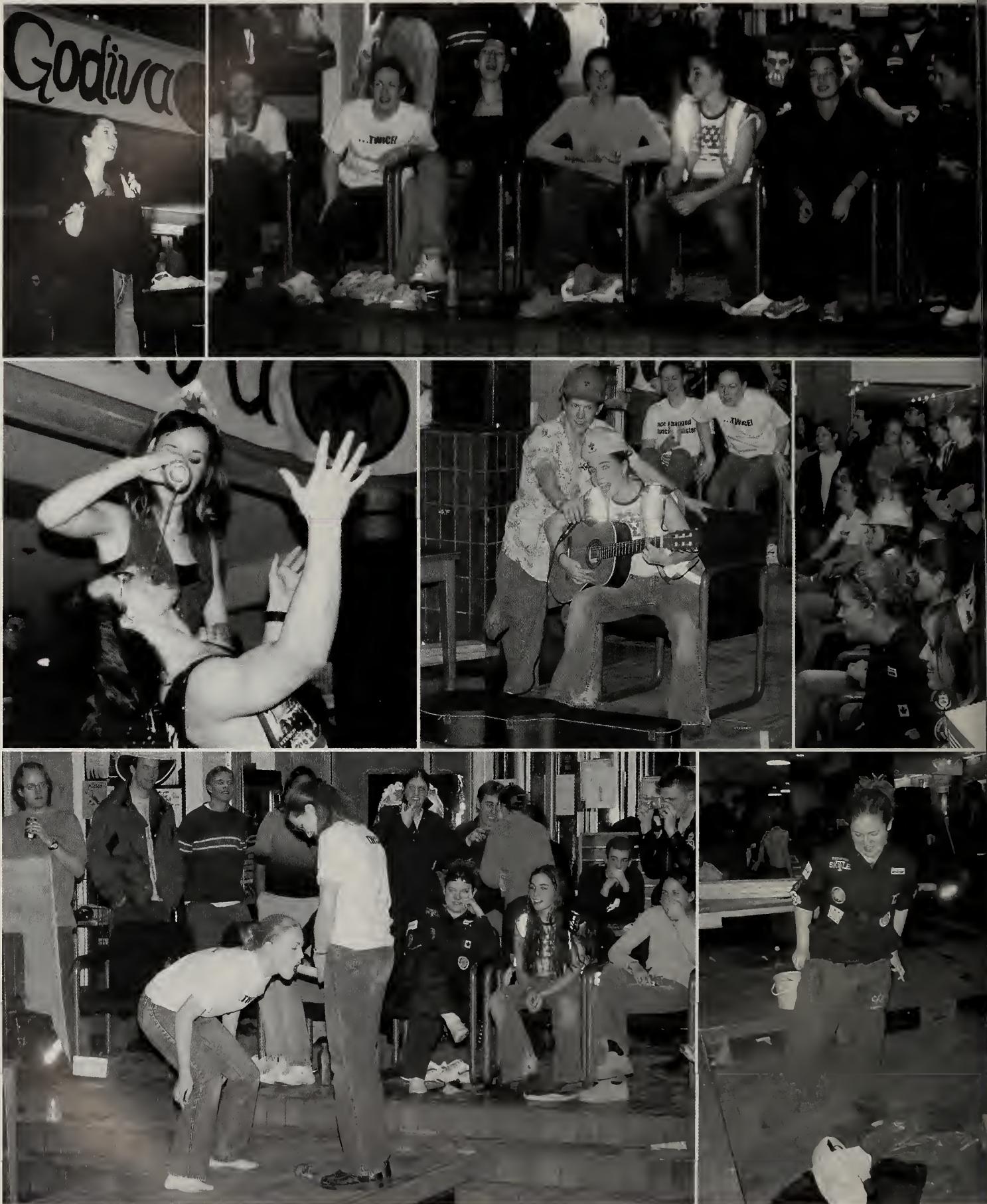




"Look Ma, no hands!" --Wonder Woman

# GODIVA'S CROWN

ALL PROJECTS FUNDRIES  
EVENTS



"Look Ma, no hands!" --Wonder Women



So who is this "Duncan's Sister"?

# CHARITY DATE AUCTION / CALCULOST RACES



# HARDHAT COMPETITION / GLADIATORS



Damn... Crotch Shot!

# CHARIOT RACE



# CHARIOT RACE / IRON CHEF



Can anyone make dinner out of army rations?

# CANNONBALL 2003

ALL PROJECTS

EVENTS

QUADRANGLES

GENCIES





The Skule Cannon makes its appearance...

# FREEDOM

AD PROJECTS FENCING EQUIPMENT

EVENTS



# HOMECOMING



COMBAT MISSIONS  
ALIANCES

We're Back!



# COMBAT MISSIONS



# Engineering Athletics Association President

Hey Sportsfans!

Another year full of sports has rushed by faster than a Rugby (or basketball, or hockey, or soccer, or ??) player on a breakaway. This year the men and women of Skule have come out in force. Because of the eager rookies (F!rosh), stalwart veterans (fourth years) and everyone in between, including the fossils (grad students), we've had successes in our sports of where we have shown traditional strength, as well as in sports where we have started new traditions. Congratulations to all the Intramural Champions this year!

Champions or not, however, I want to extend my appreciation to EVERYONE who came out and supported a team this year through participation. Without their great enthusiasm and love for their sports, intramurals would be so much fun, and without FUN their would be no point to intramurals! Thank you to every single team commissioner, your dedication and team spirit ensured that we had teams to compete with.

Thank you to Ashley, Barb, and the people of the Engineering Society for putting up with my idiosyncrasies and random e-mails. Our co-operation has provided opportunity for some of the best jointly run events ever!

Finally, the EAA exec: Patricia and Piyali - thank you for providing the voice of experience; Craig, Cassie, Paul, Kasia, and Kevin, - thanks for the time you put into the daily running of the Association; Whitney, thank you for the specific advice and wisdom you provided; Amanda, thanks for keeping your eyes on the budget (and my hands off of it!); and Erin and Christiaan, thanks for taking ideas and running with them (quite literally all over the gym). Nothing could have gotten done without all of you working to make our athletic program the best on campus.

I hope everyone comes out again in full force next year to have a blast running jumping, or swimming, and to shout at the rest of U of T "Hurry up and Lose, We have Work to Do!"

See you on the field,

**Rebecca Feldman**

## Engineering Athletics Association Executive



Top Row to Bottom Row (left to right)

Amanda Mitchell - Finance Director

Christiaan Vandergift - Tournaments Director

Kasia Blaszaka - Administrative Director

Patricia Pernica - Special Events Director

Paul Graham - Publicity Director

Cassandra Siwek - Womens Director

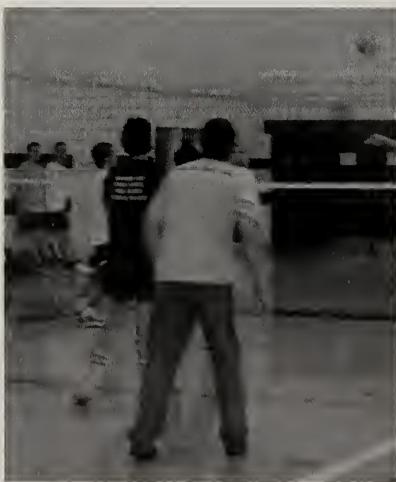
Craig Burkett - Mens Director

Kevin Waher - Equipment Manager

Piyali Chakraborti - S-dance Coordinator

Whitney Taylor - Co-Ed Director

## Sports Candids



# *asketball*



## **Women's Basketball**

It's been a year of re-building for the Women's Division I Basketball team. Of our nine plat-off qualifying team members, three are first-years and two are second years that are new to the team. These great new players have made a large contribution to the team's success. We qualified for play-offs in the fall term and most certainly will again in the spring.

We went 2-3 in the Fall term to finish 4<sup>th</sup> in the division, but that is not very indicative of how close our games were. I have high hopes for the play-offs and for next term. We can definitely beat the 2<sup>nd</sup> and 3<sup>rd</sup> place teams with all of our players present, and even UTM is within our grasp. I'm really excited for the future of our team.

We have a strong team this year that will keep improving as the year progresses. Our goal for the spring term is to play in the finals, which is a very attainable goal. Thanks to all of the girls who were committed to the team and made it so much fun this year. I really enjoyed playing with all of you and wish you the best of luck in the future.

## **Men's Basketball**

Despite a disappointing first half of the season, this year's division one men's basketball team has high expectations. With six returning players, and several talented new editions, the team is looking to bring the title back to Skule, just where it belongs.

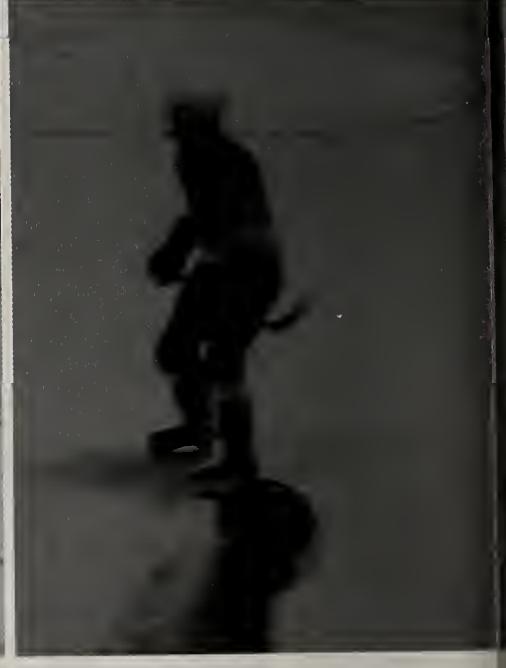
Seniors John Hourihan and Dosanjh Mandesh, as well as newcomer Marko Djordjevic compose a fearsome front line which have been causing a lot of trouble for opposing forwards. Stephen O'Loughlin and Gavin Singh round out the backcourt. With perhaps the deepest team in the league, it is likely things will only get better as the season progresses.



# Hockey

## Men's Hockey

This year's team was composed mostly of former varsity, Junior A and Junior B players, as well as a few guys from AAA midget. After a slow start to the year, Skule A came into their own with a solid string of wins in the second half of the season. In the end, engineering rose to a familiar position among the top two teams in the league.



## Women's Hockey

The Skule Girls are back, and we're kicking some ass! Or maybe not. But hell, we're having a good time regardless! We have some strong new talent on the team, and it looks like it's going to be a really good, fun season. I've written a poem to express my feelings for the season:

We've got sticks, we've got ice,  
But don't think 'cause we're girls, we're nice  
We'll knock you down, we'll fuck you up,  
No mercy when we've got the puck,  
So Meds, watch out, and Riff Raff, too,  
Hurry up and lose, we've got work to do!

## Women's Hockey Team Roaster

Jen Jung

Laurie "the librarian" Harrison  
Carol Chahine

Megan "the Wall" McClure

Melissa "Iron Ring" Titherington

Stacey "Artsy" McEarlean

Lisa "Lacrosse" Palozzi

Nicole "Rookie of the Year" Tessaro

Allie "I'll break you" Simmonds

Zoe "deke you out of your jill strap" Shainfarber

Ashley "I score and I look good, dammit" Taylor

# Volleyball

## Co-ed Volleyball

secret (well – maybe not so secret) for the co-ed Div I volleyball team has always to bring back the wins. For years the team has fielded an elite group of players, including "the master", "Hollywood", "Charlie" and others. But even with this skilled volleyball force, the squad has been outshone by.. well, almost every other team in the league.. UNTIL NOW! Starting the year with a vengeance, the team has already taken home one set of steins – but now we're looking for a winning set! Given the one, two punch of the powerful Skule A and Skule B teams – it shouldn't be a problem! Oh, we were asked to reveal all our worldly team secrets... but – well, they wouldn't be secrets then now would they?



## Men's Volleyball

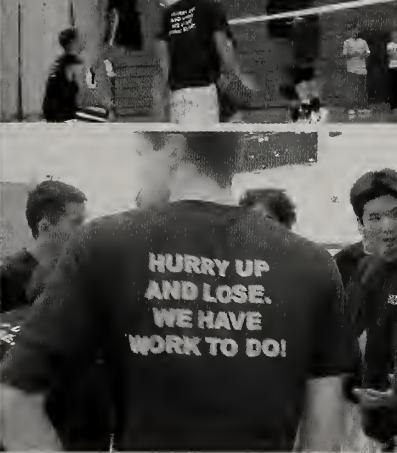
Secrets? I guess you could say we had some secrets... but the biggest of them all to the average Engineering joe is that your Div-I Men's Volleyball team has never finished lower than the semi-finals for the past six seasons CONSECUTIVELY, making the finals twice in those six seasons. This year, amidst a fan base of FIVE people, we refused to lose (losing is for losers!), beating your local "Run, Jump, Throw" squad (Phys-Ed plus varsity player) to take the title.

A few thanks have to go out to our secret weapons. First, to Ron Popeil and the Rotisserie Pro with free flavour injector - that thing feeds an army! To George Foreman whose grilling machine makes for one hell of lean, mean, fat-reduced burger. To Dr. Ho - now we can finally get that needed massage after practice, and it's so light and compact, we can take it anywhere! And finally to Nads - how ELSE could Bill get at those troublesome bikini lines?

This year's squad is deep and second to none before it. We've got our coach "The S.LAM" with the hands, William Hayter the 4th and myself at power, Shareef and Ki at libero, Patrique at weak, and J-Lin, Andrew "OVA" Diosady, Adam "Poofah" Luchini, and Marky running middle.

To those that have moved on: Big Johnny, Rastas, Rich, Tannen, Big Kim, Lil' Kim, Justin, Scotty - this shizzo's for you!

C-lo  
El Capitan,  
"Skule" a.k.a. "The Bus Drivers" a.k.a.  
"Gang Green"



## Women's Volleyball

team....hmm, bunch of really Secrets, no! Girls don't have secrets. We dictated people. Maybe a little more just blab to everyone and giggle. We do dictated that we should have been. giggle a lot though, so maybe it looks like Midterm, haven't studied bbbut, I we have lot of secrets. Apparently a couple could really go to my game. Sounds of the refs are cute though...See us e a good idea!" Apparently there individually for those gritty details.

is a major problem with defaults in s league, I was completely unaware **Women's Team Roster** this because we always had pretty *Joan "volleyball" Grant* players to play. We just were having *Shauna "get off the floor" Hickey* so much fun I think. We won lots. *Gina "whoa, killer serve" Lee* served the other team some killer hits. *Nastassja "the encourager" Liebenov* it mostly fell over each other on the *Merry "blocker" Lo* court and generally got distracted by *Amanda "dancing around" Mitchell* each other. The refs got used to waiting *Sabrina "super-setter" Naccarato* for the laughter to subside to continue *Piyali "Yali-pi" Chakrabarti* game and pictures do have to be taken when the opportunity arises, *Cassandra "magic hands" Siwek* me in progress or not. Anyone knows *Caroline "captain!, ooh that's me" Gort* it came to see our games, we may be *Whitney "powerhouse" Taylor* little crazy and that's why the chemistry is there. Looking forward to the winter season although it's not over yet, playoffs start next week!

## **Team Statistics:**

**Team name:** Skule A  
**GP:6 W:4 L:2 TP:8 %:667**

**Pool standings:** 2<sup>nd</sup> (behind Scarborough)



"Midterm, haven't studied bbbut, I should really go to my game."

# Volleyball

COMBAT MISSIONS  
PROJECTS  
QUARTERS



## Indoor Soccer

### Indoor Soccer

Indoor soccer season has started once again and with a blink of an eye is about to finish too. With three games of the season behind us, things are starting to look up. Of course, there are only two left. We have an amazingly large number of great players, perhaps enough for three teams and rumour abounds about taking over the men's league!! That being said, a rumour is just that; just some idle hope or thought or idea waiting to fall upon the right ears.

On the court the team is strong, whether it be tripping over our own feet or taking the ball in the face... I wish I was joking... but I suppose it happens to us all!! Seriously, however, the team is mostly composed of the strong and amazingly high spirited outdoor team that almost qualified for the playoffs. Infact, we were very close to winning the playoffs and perhaps it can come down to the fact that the civ formal just happened to be on the wrong night. All but five players turned up after the first two goals had been scored and half our team had tired curls falling out of their ponytail. Perhaps and probably it was just the fate of those early morning games, I suppose we'll never know!! However, to conclude an upbeat I'm really excited about the season and perhaps next year we'll even have two teams!



"On the court the team is strong, whether it be tripping over our own feet or taking the ball in the face..." - Libby

# ugby



## Women's Rugby – Godiva's Cup Champions!

This year we started a Women's Rugby team. While there is no intramural league for us to play in, we played against other women's teams from Trinity College and Queens Engineering.

The highlight of the year was a 2 game tournament played against the female engineers from Queens. In the first game of the tournament we hosted them at Toronto, and beat them 12-7. In the second game we travelled to Queens, and despite their home-field advantage beat them 12-0. As a result of our dual win we brought home Godiva's Cup, to keep safe until next year.

Our women showed dedication all season. The team practiced hard at training sessions which were predominantly male, and even played in a few men's intramural games to get a feel for the game.



## Men's Rugby

We won again! Skule A continued a long streak of championships this year by capturing the coveted Bullock Cup. Coached by Doug Hester and managed by Darrell Hanson, the men's team went undefeated during the season. Playoffs had the Skulemen sweep through Trinity 42-0 in the semifinals, and rout tough Scarborough 12-0 in the finals. As usual the Brad and the Cannon made their appearances at the final game, which for the first time in a long time was not at Varsity "stadium".



# Soccer

## Men's Soccer

Coached by Connor Ritchie, the Men's Div 1 team finished 2<sup>nd</sup> in league play this year without a single loss. The highlight of the year was a 2-1 win over Scarborough's A team. This year's team was composed mostly of 4<sup>th</sup> year players, so next year should be a rebuilding year. With so much talent on the Div 2 and 3 teams, it shouldn't be much of a problem.



# Water Polo



"Swimming like a fish..."

# Touch Football

## Men's Football

After a 6<sup>th</sup> place finish in the league last year, the football team set its sights on winning the league. Despite losing their first game with an abundance of players at the tryout, Skule A clamped down and won the next 5 games to finish 1<sup>st</sup> in the league. With the offence led by NSci 0T4 Craig Burkett, and the defense led by CIV 0T5 Kevin Waher, the Skulemen had an excellent showing in the playoffs, coming up short in double overtime to perennial finalists UTM. With most of the team returning next year, the football program is well under way to becoming the premier group of football players on campus. This just in: "what down is it, ref?" 3<sup>RD</sup> DOWN!



## Women's Touch Football

This was the first season, since anyone can remember, where Skule has fielded a Women's Touch Football Team. It was a fun season of Delta-Epsilon, Integration, and Gaussian Plays. I'm sure that none of us will ever forget the Magical Skulebus trip to Scarborough.

I recruited this team the night before our first game, at Suds. I was in shock when they all showed up the next morning, hung-over and eager to play.

Thanks to all of the brave ladies who came out to play!



## *ltimate Frisbee*

### ed Ultimate Frisbee

A neutral observer may well wonder, "How could this team end the season with a .500 record? Is it their defence? their passing? or is it their unique geometric running patterns?" A poignant question.

None of those guesses are partially right, others not at all. The team's achievement was, in fact, due to its sheer numbers, and to having enough players on the team. The moral? Be numerous, and the world is your oyster. An oyster who might default.



### imate Frisbee Team Roaster

an D., Dave S., Denis, Derek P., Kelly, Jon P., Lorne, Matt P., Mike L., Peter S., Phil N., Russel, Simon, Matt Greg J., Marcus E., Brian W., Gil, Henry, Wei C., Gil S., Christiaan (Purple d), Jonathan W., Matt G., Tom, Erik, Nar, David K., James, Pat, Brian K., dy, Tim K., Ron, Pete Q., Adam G., Ward, Ryan S. Laurent.

men

Jenna, Jessica, Susan, Stephanie, Loo  
n



## *Field Hockey*

### Women's Field Hockey

Women's field hockey is alive and well once again at school. Despite early mornings and trips out to Siberia (also known as UTM), the Skule team came out strong to every game. This year we made it into the playoffs and in our final game we rallied hard against the EVIL EMPIRE (also known as UTM). Early in the regular season UTM blew us away 0-9, but we improved as a team, and in our last game rallied them to a much lower point total, and even scoring ourselves.

Thanks to the enthusiasm and dedication of the entire team we had this season what I think was the best team in the league. We may not have the championship t-shirts, but it says something positive about the character of our team that we got a full roster out to BOTH of our away games. I had a lot of fun this year thanks to the team and I hope you make it out for the crack of dawn games again next year.



### **Secrets:**

Not all the players on the Women's field hockey team are female. We are allowed to play one male, and that was Johann.

In field hockey, in the last 3 years, no downtown team has travelled out to UTM to play (they have either defaulted or forfeited their away game) this year we travelled twice.

### Women's Team Roaster

Sonia Baldassarre  
Cathrine Campbell  
Rebecca Feldman  
Shauna Hickey  
Merry Lo  
Shauna Pedler

Libby Rowe  
Johann Rutnam  
Alisson Simmonds  
Whitney Taylor  
Nicole Tessaro

"We rallied hard against the EVIL EMPIRE (also known as UTM)" - Rebecca Feldman

# EVEN MORE RANDOM CANDIDS...

COMBAT MISSIONS  
PROJECTS  
EVENTS

COMBAT MISSIONS  
PROJECTS  
EVENTS

COMBAT MISSIONS  
PROJECTS  
EVENTS





I didn't know engineers could sing...





She looks really excited!

## COMBAT MISSIONS

## AI PROJECTS

## ZENCIIES

## DOUBTERS





Rip those shirts off.... oh yeah.





Is that you Chris???????

# CFES CANADIAN FEDERATION OF ENGINEERING STUDENTS

HEADQUARTERS

ALL PROJECTS / SENSERIES

COMBAT MISSIONS / EVENTS



# MONTREAL



I wonder if I can put two beer bottles up my nose.

# CHEM CONFERENCE

COMBAT MISSIONS

PROJECTS QUARTERS

AL PROJECTS GENCIES

EVENTS





Nice hats ladies... where can I get one?

The Cannon is the 'serious' voice of U of T's engineering students. This year, we expanded the newspaper, both in size and coverage. If you've read the paper, you'll also notice that most of it is opinion. This is as a result of the editors' belief that university should ideally be an open exchange of ideas. As most will attest, this ideal is not often achieved, as it is easy to get bogged down by quizzes, midterms, and problem sets while in engineering. The editors thus felt it necessary to bring a different perspective to engineering students, to highlight and discuss non-schoolwork issues that do very much affect us all.

This year's Cannon would have not been a success without the tireless efforts of everyone on the staff. These people are:

**Copy Editors**

 Alex Curelea  
 Simon Wai

 Manu Sud  
 Jonathan Winter

Ashwin Wagadarikar

**Layout**

 Maham Ansari  
 Eric Chu  
 Bilal Khalid  
 John McLeod

 Salina Behera  
 Krystal Godri  
 Jamy Li  
 Sunaina Menezes

 Anne Chain  
 Andy Hung  
 Peggy Li  
 Mark Teper

**Photos**

 Paul Graham  
 Alexandru Sonoc

 Sue Redekop  
 Andrew Wong

Ian Sin

**Contributors**

 Gord Aitchison-Drake  
 Stephanie Bradley  
 Alison Chick  
 Adam Dou  
 Krystal Godri  
 Mike Hardisty  
 Humairah Irfan  
 Jamy Li  
 Ashley Morton  
 Jennifer Pereira  
 Ian Sin  
 Howard Tam  
 Eric Wang  
 Andrew Wong  
 Kai Zhuang

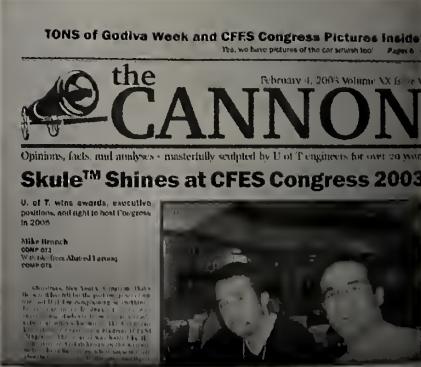
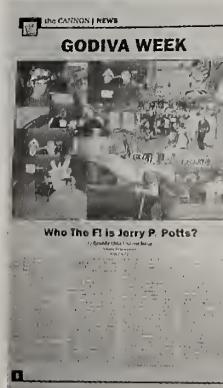
 Mark Angelo  
 Mike Branch  
 Alex Curelea  
 Chris Dunn  
 Paul Graham  
 Tanya Hauck  
 Amy Jiang  
 John McLeod  
 Adam Myers  
 Sue Redekop  
 Alexandru Sonoc  
 Lawren Taylor  
 Luke Wesley  
 Corey Woodley  
 Robert Ziman

 S. Balasubramanyam  
 Kent Carter  
 Susmita De  
 Rebecca Feldman  
 Rina Gupta  
 Jon Hillel  
 Jenn Kim  
 Nilima Menon  
 Meredith Noble  
 Daniel Schwartz-Narbonne  
 Manu Sud  
 Adam Trumper  
 Rich Wiltshire  
 Irene Ying

 Tarek Saghir & Danica Lam  
 Editors-in-Chief


Thanks, Skule, for reading the Cannon this year!

**Tarek Saghir & Danica Lam**



## You all thought I was mad

When I came to Engsoc this year, I had a plan. A good plan, an ambitious plan, a simple plan: create a breed of genetically enhanced writer monkeys to take over campus. You said I was mad. You said my plan would fail. But you were wrong. Dreadfully wrong.

It wasn't easy creating a breed of genetically enhanced writer monkeys. I had to tamper with materials that would make a grown man squirm. I had to do things that would make a Giant cry. I had to play with chemicals that would freeze an Ogre's testicles. But it was well worth it.



It was a tedious process, wrought with failures, riddled with hurdles, and overflowing with peril. But I survived this painful ordeal, and emerged a stronger man for it. I'm happy to say that after all my efforts, my breed of genetically enhanced writer monkeys has finally come to fruition.

I'd like to thank the people that supported me in my madness. But I'd also like to take this opportunity to stick my tongue out at those of you who couldn't see that my vision was ultimately sound. Pffffft!

Big ups go out to my posse of twisted monkeys. You kids made this happen, and made it fun. Congratulations on your fine achievements this year. You all deserve some bananas, on the house.

Ridentem dicere verum quid vetat?

What prevents me from speaking the truth with a smile?)

*Mark Jaggassar*

Editor-in-chief, 2002-2003



### Quotable Quotes:

'Puxin, I swear, we'll have all the articles one week before publishing!' — **Mark Jaggassar**

'Mark, I'm going to kill you.' — **Puxin Zhang**

'I don't go around giving out Floor Candy, I'm not that kind of guy.' — **Laurent Noonan**

'I'm just a Writer, a simple, lonely Writer' — **Mark Jaggassar**



**Editor-in-Chief**      **Mark Jaggassar**

### -Editorial Staff-

<b>Copy Editor</b>	Sebastian Kun
<b>Layout Editor</b>	Puxin Zhang
<b>Graphics Editor</b>	Dan Mireanu

<b>Senior Staff Writer</b>	Kevin Au
<b>Staff Writers</b>	Dave McKenna Laurent Noonan
<b>Consiglieri</b>	Paul Dabrowski

### -Production Staff-

<b>Writers</b>	Rhonda Chung Alex Green Bobby Lee Imelda Nurwisah Ben Spigel Annie Unnold Erik Watson-Hurthig Luke Wesley Alice Xu
----------------	--

<b>Artists</b>	Hyein Lee Kan "da artiste" Li Alex Wun
----------------	--

<b>Layout Assistants</b>	Dave Campomizzi Jesse Katz-Totton Annat Koren Carrie Lau Chris Milligan
--------------------------	---

<b>Graphics Assistants</b>	Rishi Gupta Sarosh Khwaja Cindy Lau Jennifer Pollock Dhiren Tailor Ke Zhang
----------------------------	--



"It wasn't easy creating a breed of genetically enhanced writer monkeys." - **Mark Jaggassar**

# Frosh Handbook OCT6

The Frosh Handbook is a very important (and humorous, and sexy, and carcinogenic) publication. It serves as much more than a guide to what students can expect in first year. It serves as a welcoming card from the Engineering Society; it lets frosh know that people are thinking about them and their wellbeing before they even get to Skule.

It also serves very well as a coaster.

The book took approximately three months to assemble, from start to finish. During this time, I was assisted by many individuals. From last year's editor, Jon Hoss, to my precious, precious Fellowship of the Handbook, to the spirit of Moses "Moe" Horwitz, who speaks to me from my 1987 Volvo's stereo system, many were harmed in the making of this publication.

Settling on The Lord of The Rings as a theme was finalised by the tossing of a 1976 quarter. Luckily for every first year student, the quarter landed on its obverse side, and the A Clockwork Orange theme was avoided (though it would certainly have been more entertaining, and about 300% more incomprehensible (with all the in-out, in-out, and the ultra-violence). Other potential themes included The X-Files, and the Oxford English Dictionary.

I owe many thanks to the dedicated staff so kind to help me with this task.

*Michael Studniberg*

## Staff Members:

*Editor-in-Chief - Michael Studniberg*

*Layout Editor - Jeff Swartz*

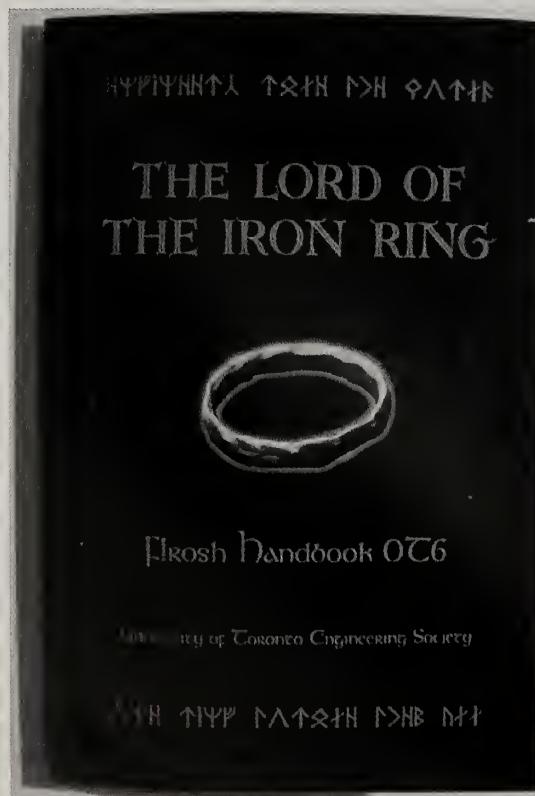
*Assistant Editor - Sam Orr*

*Copy Editors - Alison Aiken, Rachel Chao*

*Contributing Writers - Laslo Diosady, Brian Liu, Don McAuslan, Andrew Overholt, Danny Sundararajan, Luke Wesley*



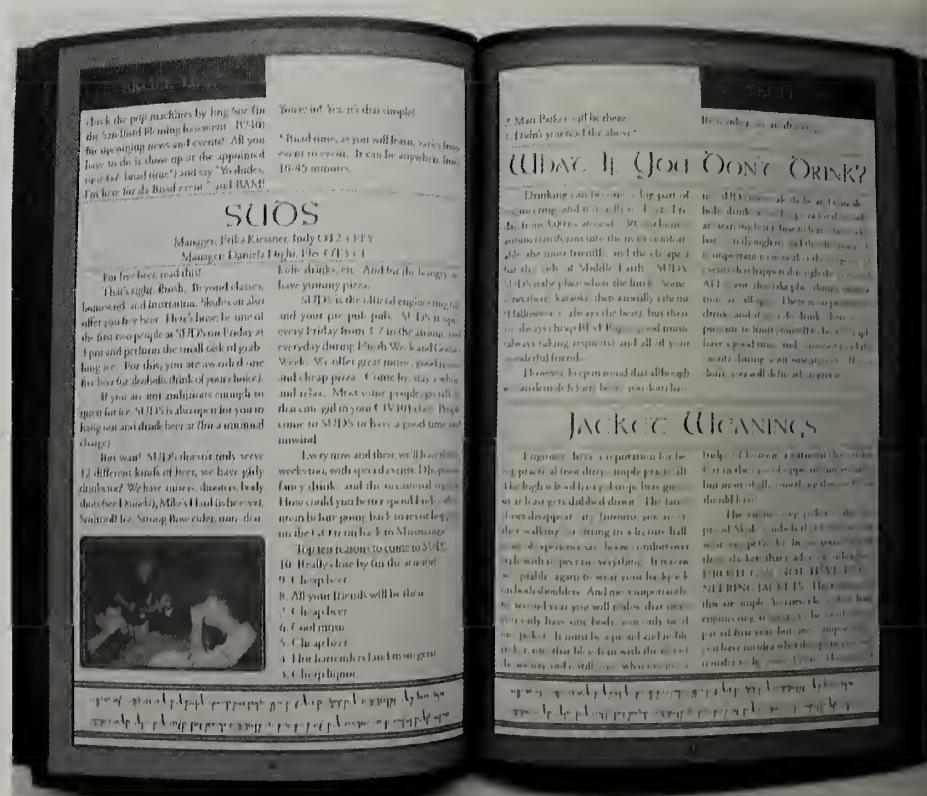
**Secret:** This year's handbook contains more than meets the eye. Beyond the Elvish and Dwarfish runes found throughout the book are several more much more hidden messages. For instance, find every article that accompanied by a picture. Write down the first letter of the first sentence and insert spaces as necessary. The letters, strung together, may actually spell a legitimate English word or two!



Frosh Handbook OCT6

City of Toronto Engineering Society

HAPPY MATCH DAY



"The book took approximately three months to assemble, from start to finish." - Michael Studniberg

# THANK YOU FOR BUYING A SKULEBOOK!



As promised.... here you are. If you don't find yourself here, you're in the book somewhere.

# SKULEBOOK

Thanks Guys... You were all wonderful



**Diana Al-Dajane**  
*Publication Manager*



**Eric P. Ng**  
*Publication Manager*



**Kharthick Kathiresan**  
*Copy Editor*



**Vidushi Bhan**  
*Layout Editor - Events*



**Haresh Khemani**  
*Layout Editor - People*



**Frances Lau**  
*Layout Editor - Activities*



**Agnes Durlik**  
*Photography Editor*



**Ivan Ying**  
*Photography Editor*



**Rachel Chan**  
*Artistic Design Editor*



**Jennifer Pereira**  
*Artistic Design Editor*

## Special Thanks to:

Mark Angelo  
Mike Branch  
Barb Ellenson  
Mark Jaggassar  
Ashley Morton  
Sherrie Sanderson

Ross Atkinson  
Paul Cass  
Rebecca Feldman  
Maria @ Kenmara  
Mi Li Ng  
Christine Szustaczek

Stephanie Bradley  
Chris Dunn  
Kenny Ho  
Sebastian Kun  
Kelly Sabaliauskas

**Layout Staff**  
Erhan Soyer-Osman  
Bhairavi Jeganathan  
Gobi Kathirgamanathan  
Sri Vithya Sagari Kusenthiran  
Sandra Mau

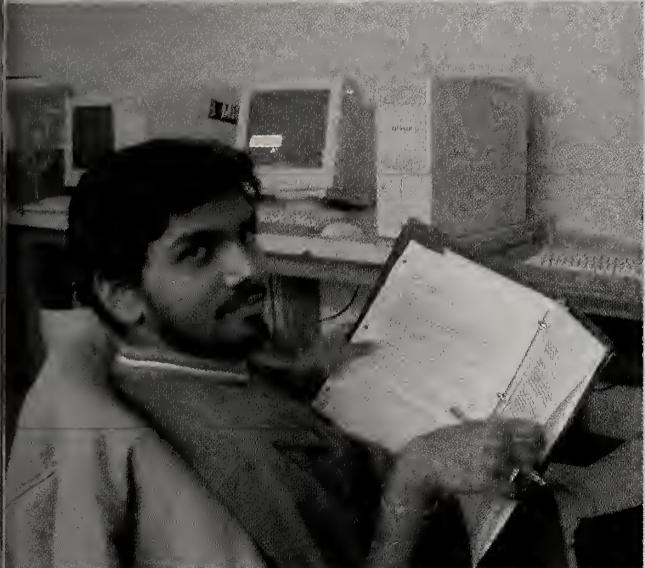
**Photography Staff**  
Kirk Holz  
Carson Lau  
Mathew Tsang  
Andrew Wong  
Angela Yao

**Artistic Design Staff**  
Henry Lo

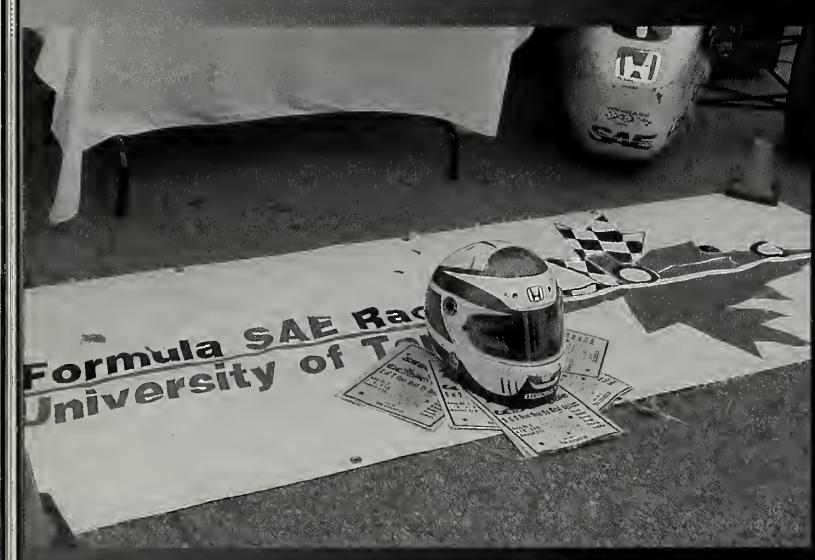
**Advertising/Sales Staff**  
Nisreen Atout  
Karineh Hazazian  
Vanessa Herald  
Richa Varma  
Vimalan Yogaratnam

And of course.... all of you.

Thank you, thank you, thank you... I can't say it enough,



Thanks for making this a wonderful experience.



# ALLIANCES





## Doing research in Singapore is like playing in the top league.

Dr. Adekunle Adeyeye, a soccer enthusiast, made his big career move to the National University of Singapore as an Assistant Professor.

"I was struck by Singapore's educational excellence, economic vision and technological edge on my first visit in 1997. When I returned in 2000, I brought my wife because I am here to stay."

A top student in his homeland, Adeyeye spent eight exciting years at Trinity College, Cambridge University, where he was the first Nigerian to be elected as a research fellow. Moving to Singapore enables him to further his groundbreaking research in nanotechnology.

Adeyeye's work has endless applications, ranging from the computer and automotive to medical industry. All of which add to his delight with the scientific advances he has made. Above all, he is also thrilled that Singapore's rising prominence as a high-tech hub is a magnet to world-class companies and scientists.

If you want to be exploring new frontiers in the research arena, visit [www.contactsingapore.org.sg](http://www.contactsingapore.org.sg) today. It could be a win-win situation for you and Singapore.

Singapore. Your world of possibilities.

Contact  
*Singapore*

OFFICES: BOSTON • CHICAGO • SAN FRANCISCO • LONDON • SYDNEY • CHENNAI • HONG KONG • SHANGHAI • SINGAPORE

**NEW HEIGHTS IN  
AUTOMOTIVE TECHNOLOGY  
BRING NEW HEIGHTS  
TO YOUR CAREER**

*Engineers are the driving force  
in technology ...  
Wescast is the driving force in  
exhaust manifolds.*

**Consider an exciting career with us!!**

*Quality People,  
Quality Product,  
and recognized as one of the Best Companies  
to work for in Canada  
by the Globe & Mail*



**wescast industries inc.**

799 Powerline Road West  
Brantford, ON N3T 5W5 519-759-0452  
check out our website at <http://www.wescast.com>

**Congratulations  
&  
Success in your career**

**Tembec**

*A company of people who build their own future*

Many job openings in more than  
50 Business units in Canada and Abroad

C.P. 3000, Temiscanning, Québec, J0Z 3R0  
Tél.: (819) 627-3321



[www.Tembec.ca](http://www.Tembec.ca)

L'ESPRIT D'INNOVATION  
THE SPIRIT OF INNOVATION

**Rockwell  
Automation**

Now Rockwell Automation, a world leader in industrial automation, is an independent publicly traded company.



Rockwell Automation™ is uniquely focused on being the most valued global provider of power, control, and information solutions. Our mission is to help companies in virtually every industry cut costs, streamline productivity, and speed time to market. And we're dedicating all our people, technology, financial resources, and manufacturing expertise to adding value for our customers. Welcome to the World of Complete Automation™.

**Rockwell  
Automation**

Rockwell Automation: NYSE symbol ROK. [www.rockwellautomation.com](http://www.rockwellautomation.com)  
© 2001 Rockwell Automation. All rights reserved. AD COPPERplate

**www.gdcanada.com**

**GENERAL DYNAMICS  
Canada**

**3785 Richmond Road**

**Ottawa, Ontario**

**Canada K2H 5B7**

**Fax: 613-596-7637**

**e-mail: ottawa.recruiting@gdcanada.com**

**MDS Sciex** is the instrumentation division of MDS Inc. - Canada's largest and one of the world's leading health and life sciences companies. Through strategic partnerships with Applied Biosystems and PerkinElmer Inc., MDS Sciex supplies mass spectrometers to more than 60 countries worldwide.

## SCIENTIFIC Global... Leadership

Exciting career opportunities are available in **Scientific Research, Software Research, Software Development, Electrical Engineering, Mechanical Engineering, Technical Writing, Manufacturing and Project Management**. Since 1974, we have established a global reputation for technological innovation and creativity. We also firmly believe that people advance technology. This commitment to people drives our record of accomplishment in promoting a balanced working and living environment.

If you are interested in exploring new avenues in scientific instrumentation and technology in a leading-edge organization, please contact us and tell us about your background and work experience.

Human Resources, MDS SCIEX,  
71 Four Valley Drive, Concord, ON L4K 4V8  
Fax: (905) 660-2622. E-mail: [careers@sciex.com](mailto:careers@sciex.com)

**MDS SCIEX**

We thank all applicants for their interest; however, only candidates selected for an interview will be contacted.

[WWW.MDSSCIEX.COM](http://WWW.MDSSCIEX.COM) • [WWW.APPLIEDBIOSYSTEMS.COM](http://WWW.APPLIEDBIOSYSTEMS.COM)  
[WWW.PERKINELMER.COM](http://WWW.PERKINELMER.COM) • [WWW.MOSINTL.COM](http://WWW.MOSINTL.COM)

# HONDA

The power of dreams.<sup>TM</sup>

At Honda of Canada Mfg., we welcome and strategically develop the ideas and input of our people. Honda's Canadian manufacturing plant is located in Alliston, Ontario--a 45-minute drive north of Toronto. We enjoy a unique working environment with a highly motivated team.

Periodically, Honda of Canada Mfg. has co-op and permanent positions for engineers, primarily in the fields of mechanical and electrical engineering.

You are invited to forward your resume to Associate Services, Honda of Canada Mfg. 4700 Tottenham Rd, P.O. Box 5000, Alliston, Ontario. L9R 1A2, quoting our file #UGR-0103.

*We thank all applicants in advance but advise that only those under consideration will be contacted. No phone calls please. Principals only please.*

## careers visualized



ATI, a worldwide leader of high-speed and multimedia technology, powers the top games on the market. Imagine taking that level of realism, imagery and speed with you wherever you go. From desktop to laptop, set-top boxes, handheld devices to wireless applications, we are revolutionizing the way the world visualizes, interacts and entertains. If you're ready to advance your career while taking 3D graphics and multimedia technologies to the next level, then make the leap. Along with relocation assistance, we offer highly competitive salaries, performance related bonuses, invention and patent rewards, and a comprehensive benefits package.

Some of the skill sets we hire for include:

- High-Speed Digital Hardware Design
- ASIC Verification and Design
- C++, Intel 8086 Assembly
- DirectX, OpenGL, 3D and 2D Engineering
- Set-Top Box and Digital TV Component and System Development
- Motherboard Design
- PCB Layout and Board Design
- IC Design, I/O Design and Layout
- Video Graphic Board Design

Work on exciting projects and see your ideas come to life. For full details on current opportunities, and to apply online, go to:



ATI.com



RIVER  
GOLD MINES LTD.

**River Gold Mines Ltd.** was formed in 1994 and is engaged in the exploration, development, mining and processing of gold. The Company operates the Eagle River Mine located in the Mishibishu Lake area of northern Ontario. Since inception River Gold has produced over 500,000 ounces of gold. River Gold remains unhedged and is highly leveraged to the price of gold.

**Congratulations to the graduating class of 2003**

**River Gold Mines Ltd.**  
8 King Street East, Suite 1305  
Toronto, Ontario M5C 1B5

Tel: 416-360-3743

Fax: 416-360-7620

[www.rivergoldmine.com](http://www.rivergoldmine.com)



Technology changes.

**Relationships** last a lifetime.

RAND Worldwide™ is a global leader in providing knowledge-based solutions to organizations with engineering design and information technology requirements. By lowering product development costs and reducing the time required to bring new products to market, the RAND Worldwide integrated-solutions approach has helped over 40,000 customers globally to become more competitive and profitable.

In addition to its internationally renowned Mechanical Design Automation solutions, RAND Worldwide offers a portfolio of internally developed software and professional services that make its customers' mission-critical systems more robust and efficient. Our customer support provides companies the services and technical assistance that completes their total-solution needs. Currently, RAND Worldwide employs 1,300 professionals in over 100 offices located around the globe. At RAND Worldwide we recognize that our future lies in providing knowledge-based solutions that assist our customers to achieve increased profitability from all aspects of their operations.



1.877.726.3243 | [www.rand.com](http://www.rand.com)



*Meridian Technologies Inc. is a Canadian company producing magnesium high-pressure die castings for the automotive industry in North America and Europe*

- On the leading edge of die casting technology
- Providing opportunities for growth and challenge to co-op engineering students and graduates
- Facilities in Canada (Strathroy), Italy (Verres, Aosta) and the US (Eaton Rapids, Michigan)

**Congratulations and Best Wishes To You All!**

For further information on engineering opportunities, please contact:  
James McKenzie, Director of Human Resources

Meridian Technologies Inc., 25 MacNab Avenue, Strathroy, Ontario N7G 4H6

Tel: 519-246-9600 ext 362 Fax: 519-245-6605 Email: [jmckenzie@meridian\\_mag.com](mailto:jmckenzie@meridian_mag.com)

# come GROW with us

Giffels is a full-service, employee-owned, consulting and contracting organization offering architectural, engineering, management and construction services worldwide.

In business for over 50 years, we continue to be proud of our dedicated staff of 500 professionals.

Our ability to attract and retain competent and exciting staff demonstrates our commitment to company values and our success in winning a wide variety of innovative work.

If you picture yourself in a career that is both challenging and interesting, contact Human Resources.



Giffels • TEL: 416-675-5950 • FAX: 416-675-4620 • [www.giffels.com](http://www.giffels.com)

# Protecting Your Environment

Jacques Whitford is a 100% employee-owned, multidisciplinary firm of consulting engineers, environmental scientists and risk consultants. With staff numbering 950 professionals in 33 offices in Canada, the United States and internationally, we have been providing cost-effective services to our clients for over 30 years in:

- Environmental Management Systems
- Air Quality/Noise Assessment
- Property Condition Surveys
- Environmental Site Assessments
- Environmental Engineering
- Geotechnical Engineering
- Materials Engineering
- Hydrogeology
- Environmental Sciences
- Petroleum Engineering

**ISO 9001 Certified**

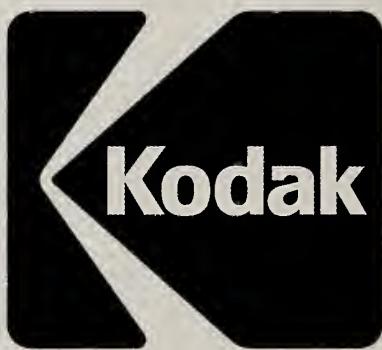
**Toronto contact: Tim Olson, Regional Vice President  
(Tel) 416-495-8614 or (Fax) 905-479-9326**



**Jacques Whitford**

Consulting Engineers  
Environmental Scientists  
Risk Consultants

[www.jacqueswhitford.com](http://www.jacqueswhitford.com)



## Share Moments. Share Life.

[www.kodak.ca](http://www.kodak.ca)

MANAGEMENT OF TECHNOLOGY

# MASTER'S DEGREE THROUGH ONLINE LEARNING

You can earn your Master's degree in Management of Technology, distance option from one of Canada's leading universities. Today many busy engineers, scientists and managers who deal with technology management in their jobs are earning their Master's degree at the University of Waterloo through this option.

For the 10th year in a row, the University of Waterloo has been ranked by Maclean's magazine annual reputa-



tion survey as the best overall in Canada. The university is a leader in online interactive learning. Our format includes printed material and real time audio and video interaction with instructors.

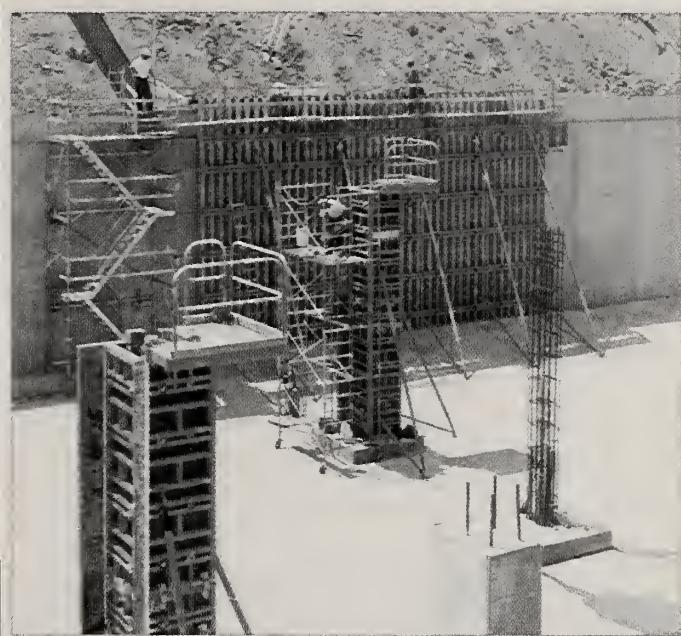
Graduate students can also pursue advanced degrees in full time residency program options in Management of Technology, Information Systems, or Applied Operations Research.

#### FOR MORE INFORMATION CONTACT:

Program Director: Department of Management Sciences,  
Faculty of Engineering, University of Waterloo, Waterloo, Ontario, Canada, N2L 3G1

Tel: (519) 885-4799 Fax: (519) 746-7252

<http://motdinfo.uwaterloo.ca> e-mail: [mot@msciconline.uwaterloo.ca](mailto:mot@msciconline.uwaterloo.ca)



East Brampton Reservoir, Brampton

#### PERI offers formwork and climbing Systems for every concrete project

**PERI**

PERI Toronto  
PERI Calgary  
PERI Montreal

Tel.: 905-951-5400 Fax.: 905-951-5455  
Tel.: 403-203-8112 Fax.: 403-203-8123  
Tel.: 450-662-0057 Fax.: 450-662-9447

In Canada call toll free: Tel.: 1-877-848-PERI [www.peri.de](http://www.peri.de)

Careers of the extraordinary kind.



Christine Gouin, Assistant Mines Technologist at Creighton Mine, inspects ore on the 7,400 foot level.

Some people go to great depths to further their career.

Become part of the team that's changing the face of mining. Work in a challenging, fast-paced environment. Interact with people from different disciplines who create better ways of doing things. This is what you'll experience when you choose a career at Inco. To find out more about extraordinary careers at Inco, visit us at: [www.inco.com](http://www.inco.com)

**INCO**  
STRONGER FOR OUR EXPERIENCE



## PETER KIEWIT SONS CO. LTD.

General contractor specializing in heavy construction, has been in business for over 100 years, and consistently ranks among the largest construction companies in North America. Kiewit has 20 district offices in the United States, 2 district offices in Canada (Edmonton and Montreal), and 2 area offices that are located in Toronto and Vancouver.

Kiewit projects are diverse and challenging, we build highways, bridges, tunnels, airport runways and mass transit infrastructures; we construct hotels, hospitals, office buildings and educational facilities, waste-to-energy, hydroelectric and cogeneration facilities as well as mining development and operations.

Please visit our website at: [www.kiewit.ca](http://www.kiewit.ca)

**CONGRATULATIONS GRADUATES!**

**Engineering Students...**

## Take a closer look



Engineers built our strong foundations, but UMA is much more than engineering...

We are also a major consulting, engineering, construction and management services company with offices in Canada, the United States and Mexico.

If you're ready to take your engineering career to the next level, then look no further.

**For more information, visit us at  
[www.umagroup.com](http://www.umagroup.com)**

# uma

• Consulting • Engineering • Construction • Management Services

*BA Group congratulates  
the Class of 2003*

*Impact Studies • Road Design • Functional Design  
Transportation Planning • Parking Facilities • Expert Testimony*

*Please visit our website*

BA Consulting Group Ltd.  
45 St. Clair Avenue West, Suite 300  
Toronto, Ontario M4V 1K9  
416.961.7110(tel) 416.961.9807(fax)  
[www.bagroup.com](http://www.bagroup.com)  
[bagroup@bagroup.com](mailto:bagroup@bagroup.com)

**GROUP**  
*Transportation  
Consultants*

# P. E n g .

**The licence to engineer in Ontario**

- ◆ Be recognized as a professional.
- ◆ Increase your career opportunities.
- ◆ Don't wait. Apply now.

To practise as a professional engineer in Ontario, you must be licensed by Professional Engineers Ontario. It's the law.

For information on licensing—and how our Engineering Internship Training (EIT) program can help you get there—visit our website at [www.peo.on.ca](http://www.peo.on.ca), or contact us at (416) 224-1100 or 1-800-339-3716, or [eit@peo.on.ca](mailto:eit@peo.on.ca)



Professional Engineers  
Ontario

*...regulating the profession  
...serving the public*

# **Picture**

the beginning of  
beginning your **CAREER**

[www.genesis-microchip.com](http://www.genesis-microchip.com)

At GENESIS Microchip, we believe image is everything. An international leader in digital signal processing technology, we set the stage in video/graphic processing technology for flat-panel displays.

Prepare to use your Engineering focus to a superior advantage. We offer exciting design opportunities at the IC and Systems levels as well as other openings in marketing, sales, and applications engineering.

If you have what it takes, please reply in writing to:



**GENESIS**

DISPLAY PERFECTION

Human Resources  
GENESIS Microchip  
165 Commerce Valley Drive West  
Thornhill, Ontario L3T 7V8  
Fax: 1-800-483-4717  
e-mail: [genesis@rpc.webhire.com](mailto:genesis@rpc.webhire.com)

# **DYMIN STEEL INC.**



**MIKE MINIELLY**

133 Van Kirk Drive  
Brampton, Ontario  
Canada L7A 1A4

Tel: 905-840-0808  
1-800-461-4675  
Fax: 905-840-5333  
Cell: 416-526-2447

E-mail: [mminielly@admin-steel.com](mailto:mminielly@admin-steel.com)

[www.dymin-steel.com](http://www.dymin-steel.com)



**Design Group Staffing Inc.**

OUR CLIENTS ARE SEEKING INDIVIDUALS WITH THE FOLLOWING DISCIPLINE EXPERIENCE:

- CHEMICAL ENGINEERS
- ELECTRICAL ENGINEERS
- CIVIL ENGINEERS
- MECHANICAL & INDUSTRIAL ENGINEERS

We are proud to be one of "Canada's 50 Best Managed Companies" and ISO 9001:2000 Certified



PERMANENT PLACEMENT AND CONTRACT CONSULTANT POSITIONS AVAILABLE

Email Resumes to: [toronto@dg.ca](mailto:toronto@dg.ca)

Website: [www.designgroupstaffing.com](http://www.designgroupstaffing.com)

Suite 101, 2010 Winston Park Drive  
Oakville, ON L6H 5R7

Phone: 905-829-4848

OAKVILLE MARKHAM LONDON EDMONTON CALGARY VANCOUVER VICTORIA

## **STANTEC = INFRASTRUCTURE SOLUTIONS**



Providing professional services in:  
Engineering      Survey/ Geomatics  
Architecture      Program Management  
Interior Design      Landscape Architecture  
Planning



**Stantec**

Offices throughout North America and the Caribbean  
Visit us at [stantec.com](http://stantec.com)



# EllisDon



**Project Management  
Construction Management  
Design - Build  
General Contracting  
Cost Estimating**

**visit us at  
[www.ellisdon.com](http://www.ellisdon.com)**

*Engineering Futures In Construction*



**CONGRATULATIONS  
TO  
THE GRADUATING CLASS  
BEST WISHES FOR  
CONTINUED SUCCESS**



**EXCO ENGINEERING**

AN EXTEC COMPANY

1314 Ringwell Drive  
Newmarket, Ontario L3Y 7V1  
Telephone: (905) 853-8568  
Fax: (905) 853-0054  
Website: [www.excoeng.com](http://www.excoeng.com)



**ETOBICOKE IRONWORKS LIMITED**

141 RIVALDA ROAD, WESTON, ONTARIO M9M 2M7  
TELEPHONE (416) 742-7111 FAX (416) 742-2737  
[www.eiw-ca.com](http://www.eiw-ca.com)

Manufacturers & Installers  
Of Structural Steel And Miscellaneous Iron

Manufactures & Suppliers of  
Scaffolding, Shoring and Formwork Systems



**Total  
Scaffold  
System ®**

Made in Canada

**Our Investment  
is Your Success.**

THROUGH CONTINUED INVESTMENT IN PEOPLE,  
MANUFACTURING FACILITIES, AND RESEARCH  
AND DEVELOPMENT, ATS HAS GROWN TO  
BECOME ONE OF NORTH AMERICA'S LEADING  
INTEGRATORS OF TURNKEY FACTORY AUTOMATION  
SYSTEMS AND PRECISION PARTS. OUR ONGOING  
GROWTH AND SUCCESS IS CREATING EXCITING  
CAREER OPPORTUNITIES FOR QUALITY-MINDED  
PROFESSIONALS.



ATS Automation Tooling Systems Inc.  
Cambridge, Ontario  
Website: [www.atsautomation.com](http://www.atsautomation.com)

## Your future with CH2M HILL...

With us, you're part of a team that makes life better for millions of people every day. You're also an individual with unique talent and skills, and we want to help you enhance your career.

Explore all we have to offer... and find out just how meaningful and enjoyable a job with CH2M HILL can be.

### What we can offer you

Newest Technologies

An Award-winning Company

Learning Opportunities

World Travel

Speciality Development

An Exciting Atmosphere

Competitive Compensation

A Safe Environment



**CH2MHILL**

Responsible Solutions for a Sustainable Future™

[www.ch2mhillcanada.com](http://www.ch2mhillcanada.com)

[canadiancareers@ch2m.com](mailto:canadiancareers@ch2m.com)

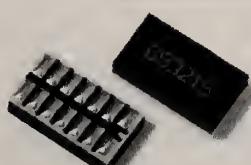
Toronto Barrie Calgary London Niagara Ottawa Vancouver Waterloo

## GENNUM

Corporation is a Canadian high technology company that designs, manufactures and markets silicon integrated circuits (ICs), modules and thin-film hybrid microcircuit components for a variety of applications in three target markets: video products, hearing instrument products and data communications. Gennum serves an international customer base from its headquarters in Burlington, Ontario, a design center in Ottawa & subsidiaries in Japan and the United Kingdom

[careers@gennum.com](mailto:careers@gennum.com)

[www.gennum.com](http://www.gennum.com)



**ONLY PRACTICAL  
KNOWLEDGE AND SKILLS  
CAN HELP YOU ADVANCE  
IN YOUR CAREER**

### EPIC Educational Program Innovations Center

is known for setting standards in practical learning. Learn about the latest developments in technical knowledge and skills and apply them immediately to the benefit of your organization and your career.

Visit our web site at [www.epic-edu.com](http://www.epic-edu.com) for information about us and programs we offer. Add your name to the mailing list by completing the form online and receive EPIC brochures and other useful information to your desktop by e-mail.

## M&G STEEL LTD.

### Steel Fabricators & Erectors

Tel: 905-897-9611  
Fax: 905-897-6105  
E-mail: [info@mgsteel.ca](mailto:info@mgsteel.ca)  
Web: [www.mgsteel.ca](http://www.mgsteel.ca)



**CONESTOGA-ROVERS  
& ASSOCIATES**

Thomas L. Guoth, M.Eng.  
228 Matheson Blvd. East  
Mississauga, Ontario  
Canada L4Z 1X1

Office: 905•712•0510  
Fax: 905•712•0515  
[tguoth@CRAworld.com](mailto:tguoth@CRAworld.com)

[www.CRAworld.com](http://www.CRAworld.com)

REGISTERED COMPANY  
**ISO 9001**  
ENGINEERING DESIGN

Worldwide Engineering, Environmental, Construction, and IT Service



ATLAS SPECIALTY STEELS  
A DIVISION OF SLATER STAINLESS CORP.



One Centre Street, P.O. Box 1000  
Welland, Ontario L3B 5R7  
Phone (905) 735-5661, Fax (905) 735-7282  
<http://www.atlassests.com>

Producers of Stainless Steels, VAR Steels,  
Tool Steels, Mining Steels and  
Engineering Alloy Steels



## **PML Peto MacCallum Ltd.**

CONSULTING ENGINEERS

GEOTECHNICAL ENGINEERING  
GEO-ENVIRONMENTAL ENGINEERING  
CONSTRUCTION MATERIALS ENGINEERING  
QUALITY CONTROL TESTING AND INSPECTION  
BUILDING SCIENCE

165 Cartwright Avenue, Toronto, Ontario M6A 1V5  
Tel: (416) 785-5110 Fax: (416) 785-5120 [www.petomac.on.ca](http://www.petomac.on.ca)  
BARRIE, BRAMPTON, HAMILTON, KITCHENER, TORONTO



Communications & Power Industries  
communications & medical products division

D.R. (Denny) Foley, C.H.R.P.  
Manager, Human Resources

45 River Drive  
Georgetown, Ontario  
Canada L7G 2J4

Tel (905) 877-0161  
Fax (905) 877-5327  
Direct Line: (905) 702-2200  
email: denny.foley@cmp.cpli.com

*It's time to start living the life  
you've imagined.*

- Henry James



a McDermott company  
Cambridge, Ontario



An Ingenium Group Company

NORR Limited, Architects & Engineers



350 Bloor St. East  
Toronto, Ontario  
Canada M4W 3S6

T 416 929 0200  
F 416 929 3635  
[norrlimited.com](http://www.norrlimited.com)

**E.C. O'NEIL, P.Eng.**  
Vice-Chairman

505 Consumers Road, Suite 1100  
Toronto, Ontario M2J 5G2

Telephone: 416-497-7110  
Facsimile: 416-497-7241  
[www.easternconstruction.com](http://www.easternconstruction.com)  
e-mail: [econeil@easternconstruction.com](mailto:econeil@easternconstruction.com)



PROJECT MANAGERS • ENGINEERS • SURVEYORS • PLANNERS

**Marshall  
Macklin  
Monaghan**

- Land Development
- Urban and Regional Planning
- Transportation and Transit Planning
- Site Planning
- Economic Development
- Urban Design/Redevelopment
- Surveying and Mapping
- Landscape Architecture
- Recreation and Tourism
- Environmental Planning and Assessment
- Municipal Engineering
- Water Supply and Distribution
- Transportation Engineering
- Building Services Engineering

80 Commerce Valley Drive East, Thornhill, Ontario L3T 7N4  
Tel: (905) 882-1100 Fax: (905) 882-0055  
E-mail: [mmm@mmm.ca](mailto:mmm@mmm.ca) [www.mmm.ca](http://www.mmm.ca)

**DELCAN**

**CONGRATULATIONS  
TO THE CLASS OF 2003**

DELCAN IS ONE OF CANADA'S LEADING ENGINEERING,  
PLANNING AND PROJECT MANAGEMENT FIRMS WITH OFFICES  
ACROSS CANADA, IN THE US AND OVERSEAS.

For more information visit our web site at [www.delcan.com](http://www.delcan.com)

**TORONTO**  
(416) 441-4111

**OTTAWA**  
(613) 738-4160

**VANCOUVER**  
(604) 525-9333



**STRENGTH  
ECONOMY  
RELIABILITY**

286 Stateman Drive, Mississauga, Ontario L5S 1X7  
Tel: 905-795-8757  
Fax: 905-795-8761



## CARILLION CONSTRUCTION CANADA

A Division of Carillion Canada Inc.



80 North Queen Street, Toronto, Ontario, M8Z 5Z6  
Phone: 416-233-5811      Fax: 416-233-2886

### Hidi Rae Consulting Engineers Inc.



1 Yonge Street, Ste 2100, Toronto, Ontario M5E 1E5  
Tel: 416-364-2100  
Fax: 416-364-2276  
email: mail@hidi.com

[www.Hidi.com](http://www.Hidi.com)

### Scientific-Atlanta Canada, Inc.

120 Middlefield Road  
Scarborough, Ontario, Canada M1S 4M6  
Telephone: 416-299-6888  
Fax: 416-299-7145  
[www.scientificatlanta.com](http://www.scientificatlanta.com)



Media Networks

# Rochon Engineering Incorporated

### Forensic Consulting Engineers

"Setting the standard for quality in Forensic Engineering"

**3000 Langstaff Road West, Suite 16  
Concord (Toronto), ON L4K 4R7  
Telephone (905) 660-7660 Facsimile (905) 660-9994**



M.L. Fred Belusa, P.Eng.  
PRESIDENT

### Head Office:

286 Attwell Drive  
Unit 7  
Toronto, ON  
Canada M9W 5B2

Tel: 416-213-0889

Fax: 416-213-1697

E-mail: [fbelusa@belnor.com](mailto:fbelusa@belnor.com)



19 Duncan Street Suite 405

Toronto Ontario M5H 3H1

Structural Engineers T (416) 593-5300 F (416) 593-4840

[blackwell@blackwell.ca](mailto:blackwell@blackwell.ca)

[www.blackwelleng.com](http://www.blackwelleng.com)

# IBI

GROUP

affiliated with

### Beinhaker/Irwin Associates

Architects, Engineers, Planners

professional services in:

- Land and Urban Planning
- Economic and Financial Analyses
- Traffic Engineering and Control
- Municipal Engineering
- Facilities Planning and Design
- Computer Systems
- Transportation and Transit Planning
- Project Management

230 Richmond Street West, 5th floor, Toronto M5V 1V6 Tel (416) 596-1930 FAX (416) 596-0644

Other offices in Boston, Calgary, Denver, Detroit, Edmonton, Irvine (CA), Montréal, Ottawa, Portland, Salt Lake City, Seattle, and Vancouver.



### Golden Giant Mine

P.O. Box 40  
Yellow Brick Road  
Marathon, ON  
P0T 2E0

St. Marys Has Been a Proud  
Supplier to the Construction Market  
Since 1912

- Including Ready Mixed Concrete,  
Cement, Slag, Aggregates and Fly Ash



**St. Marys Cement Co.**

ST MARYS

55 Industrial St, Toronto, Ontario  
416-696-4411



33 Cranfield Rd, Toronto Ontario M4B 3H2  
Phone: 416-755-1191 Fax: 416-752-6717  
[www.allanson.com](http://www.allanson.com)

Manufacturer of Neon Sign Transformers and High Output Ballasts,  
and neon testing and diagnostic equipment—  
As well as oil heating transformers and ignitors.



### HADDAD GEOTECHNICAL INC. Geotechnical Engineers

D. Graham Fisher, M.E.Sc., P.Eng.  
*President*

7321 Victoria Park Avenue, Unit 21, Markham, ON L3R 2Z8  
Phone: (905) 475-0951  
Fax: (905) 475-8338



Municipal & Environmental  
Engineering  
Urban Development

Providing Professional Services Since 1959

Brampton  
(905) 459-4780  
Cobalt  
(705) 679-5979

Pickering  
(905) 837-0314

Kitchener  
(619) 743-6111  
Internet Site: [www.kmk.ca](http://www.kmk.ca)  
E-mail: [kmk@kmk.ca](mailto:kmk@kmk.ca)

## IMASAR Engineering Inc.

Consulting Engineers and Managers

OCCUPATIONAL HEALTH AND SAFETY & ENVIRONMENTAL ENGINEERING

Pre Start Safety Review / Certification of Machinery / Equipment

Inspections / Investigations / Audits / O.B.C. / Fire Code

Environmental Engineering Services

INDUSTRIAL PROJECTS-CONSTRUCTION / PROCESS DESIGN / TURNKEY PLANTS

Tel (905) 760-9039, (905) 760-9980, Fax (905) 760-9737

Email: [imasar@imasar.com](mailto:imasar@imasar.com) Web: [www.imasar.com](http://www.imasar.com)



Andrew Canada Inc.  
606 Beech Street West  
Whitby, Ontario L1N 5S2

Tel: 905-668-3348  
Fax: 905-668-8590



H. H. Angus & Associates Limited  
*Consulting Engineers*

1127 Leslie Street, Toronto, Ontario M3C 2J6  
Tel: (416) 443-8200, Fax: (416) 443-8290  
[www.hhangus.com](http://www.hhangus.com)

London, England • Dallas, Texas

## Byrne Engineering Inc.

Fixed Link to the  
Toronto City Centre Airport  
Bascule Bridge



Congratulations Graduates



COLGATE-PALMOLIVE CANADA INC.



TRILLIUM

1315 Lawrence Ave. East, Suite #518  
Toronto, Ontario M3A 3R3



Carinci Burt Rogers Engineering, Inc. offers electrical  
engineering consulting services for: commercial, industrial,  
institutional, residential and recreational facilities.

Carinci Burt Rogers Engineering, Inc.

2550 Victoria Park Avenue, Suite 603  
Toronto, Ontario, Canada M2J 5A9  
TEL: (416) 756-2356  
E-MAIL: [cbre@istar.ca](mailto:cbre@istar.ca)



## MCW Consultants Ltd.

A member of the MCW Group of Companies

**156 Front Street West, Suite 600  
Toronto, Ontario  
M5J 2L6**

**Phone (416) 598-2920  
Fax (416) 598-5394  
e-mail: mcw\_tor@mcw-ers.com  
www.mcw-ers.com**

Toronto

Winnipeg

Vancouver

Ottawa

## DCS

DECOMMISSIONING CONSULTING SERVICES LIMITED

121 Granton Drive, Unit 11

Richmond Hill, Ontario

L4B 3N4

(905) 882-5984, FAX: (905) 882-8962

E-mail: engineers@dcsld.ca

Web Site: <http://www.dcsld.ca>

Environmental management; Phase 1 environmental site assessments and audits; Phase 2 site assessments; Phase 3 remedial investigations; site decommissioning; construction management; risk assessment; hazardous materials management; geotechnical engineering; hydrogeology; water quality evaluation; wastewater and groundwater treatment; industrial hygiene; PCB, mould and asbestos management; underground tank remediation.



*Water for the World*

**View career opportunities at**

**Setting  
the Standards  
Technology  
Membrane**

Tel: (905) 465-3030 Fax: (905) 465-3050

**[www.zenon.com](http://www.zenon.com)**

**"Finding people isn't our biggest challenge,  
finding the right people is..."**

**Husky Injection Molding Systems** is one of the world's leading suppliers of injection molding equipment and services to the plastics industry. Manufacturing facilities are located in Canada (Bolton, Ontario), the United States (Milton, Vermont) and Europe (Dudelange, Luxembourg). Our global distribution network is a key source of competitive advantage with 40 regional offices, including 18 Technical Centers that support customers throughout the Americas, Europe and Asia Pacific. The company's success has been built on a track record of innovation, a strong set of core values, and a commitment to keeping our customers in the lead. The company has consistently been recognized as a leader in environmental and social responsibility. After completing an extensive product development program, the company has now embarked on a bold strategy to increase its share in existing markets and penetrate new ones. In order to meet growing demand, we are currently

expanding operations in our manufacturing facilities. At the same time, we have continued to strengthen our global service and sales organization. Last year, we opened a new technical center in Mexico and we are now building a major center in Shanghai which will serve as our Asian headquarters.

### Global Opportunities

In order to achieve our ambitious goals, we are looking for people who share our values and are driven by a desire to contribute and grow. If you thrive in a culture that is entrepreneurial, fast paced and never afraid of change and are looking for a challenge within a growing company, please send your information, quoting file SYB031, to Recruitment Manager, Husky Injection Molding Systems 500 Queen Street S. Bolton, Ontario L7E 5S5.

**HUSKY**

*Keeping our customers in the lead*

ALLIANCES AT MISSIONS EVENTS AL PROJECTS ENCLICES QUARTERS

ERTW



**MOLONEY ELECTRIC INC.**, a world leader in the design and manufacture of distribution transformers, recognizes and appreciates the valuable contribution that the University of Toronto makes to Canada's engineering community.

We are therefore proud to offer our support to the U of T's Faculty of Applied Science & Engineering with our participation in this year's SKULE Yearbook.

## **MOLONEY ELECTRIC INC.**

213 Sterling Rd.  
Toronto, ON  
Canada M6R 2B4  
Tel: (416) 534-9226  
Fax: (416) 534-6906

120 Diamond Ave.  
Spruce Grove, AB  
Canada T7X 3B2  
Tel: (780) 962-4567  
Fax: (780) 962-4566

153 Bridge St.  
Sackville, NB  
Canada E4L 3P4  
Tel: (506) 536-1065  
Fax: (506) 536-0920

## Building Better Businesses

**H**atch is a leading global consulting, engineering, technologies, information systems, and project delivery organization servicing the metallurgical, mining and mineral processing and energy industries.

### **Hatch offers:**

- Competitive salaries
- Progressive career path
- In-house training
- Comprehensive benefits
- Relocation opportunities



Sheridan Science & Technology Park  
2800 Speakman Drive  
Mississauga, Ontario L5K 2R7  
Fax: (905) 855-8270  
hr@hatch.ca

**HATCH™**

[www.hatch.ca](http://www.hatch.ca)

## HAVE AN IMPACT ON THE FUTURE

The Canadian Nuclear Safety Commission (CNSC) regulates the use of nuclear energy and materials to protect health, safety, security and the environment and to respect Canada's international commitments on the peaceful use of nuclear energy.

We offer our employees a variety of opportunities to work on issues that concern both Canada and the international community. You'll share ideas with specialists in your field and interact directly with the senior management team — even at the entry level.

Experience a wealth of life-changing opportunities at:

[www.nuclearsafety.gc.ca](http://www.nuclearsafety.gc.ca)



Canadian Nuclear  
Safety Commission

Commission canadienne  
de sûreté nucléaire

## CHANGEZ L AVENIR

La Commission canadienne de sûreté nucléaire (CCSN) réglemente l'utilisation de l'énergie et des matières nucléaires afin de protéger la santé, la sécurité et l'environnement et de respecter les engagements internationaux du Canada à l'égard de l'utilisation pacifique de l'énergie nucléaire.

Nous offrons à nos employés des occasions de toutes sortes de travailler sur des questions qui impliquent autant le Canada que la communauté internationale. Vous échangerez des idées avec des spécialistes de votre domaine et établirez des rapports directs avec les cadres supérieurs, même en tant que débutant.

Changez votre vie d'une multitude de façons, à :

[www.suretenucleaire.gc.ca](http://www.suretenucleaire.gc.ca)

**Canada**



Φ

Κ

Σ  
τ  
ε

δ  
φ  
δ  
φ  
κ

λ  
λ  
α

Π  
ε  
ρ  
ε  
ι  
ρ  
α

1  
η  
θ  
θ

γ  
Γ  
γ  
Γ

ε  
Σ  
ο  
μ  
ε

λ  
Γ  
κ  
ε

π  
π

1  
δ

1  
ε  
κ  
α

1

ε  
ν  
ν  
ρ  
Υ  
λ  
ε  
Σ

α  
ν  
Δ

τ  
ο  
λ  
λ  
Α  
λ  
λ  
Ψ

α  
Ω

ε  
Σ

ο  
μ  
ε

σ

λ  
Γ  
κ  
ε

α

κ

η  
α  
Ν  
ι  
ε

1

η  
θ  
θ

κ  
υ  
ρ  
ο  
θ  
ζ  
ο  
φ  
δ

κ  
θ  
ι  
η

ο  
ν

κ

ο  
ν

κ

ν

φ  
κ

δ  
φ  
κ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

1

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

η  
θ  
θ

Α  
ρ  
Τ

ι  
κ

/  
ο  
Τ

τ  
α  
Λ

φ  
ε

ν  
Λ

ε  
σ

ι  
τ

Η  
ε

ρ  
ε

μ  
δ

Ο  
φ

ν  
κ

Σ  
ε

ψ  
η

φ

φ

ρ  
α

Ζ

σ  
μ  
ε

λ  
Λ

σ

φ  
δ

λ  
δ

Ι  
κ

Ε

φ  
α

κ

Ρ  
υ

ν  
Λ

ε  
σ

φ  
α

τ

φ

φ

/  
ο  
Τ

τ  
α  
Ω

α  
Ω

φ  
ε

Ρ  
υ

ν  
Λ

ε  
σ

ι  
τ

Η  
ε

ρ  
ε

μ  
δ

Ο  
φ

ν  
κ

Σ  
ε

ψ  
η

φ  
α

τ

φ

δ  
θ

δ  
θ

φ  
κ

δ  
φ

φ  
κ

δ  
φ

φ  
κ

δ  
φ

φ  
κ

δ  
φ

φ  
κ

δ  
φ

φ  
κ

δ  
φ

φ  
κ

δ  
φ

ε  
ν

ν  
ν

ι  
φ

ε  
ρ

Σ  
τ

τ  
ε

λ  
λ

α  
α

α  
ν

π  
ε

ε  
ρ

ι  
ρ

ε  
τ

ρ  
α

α  
Ω

ε  
Σ

